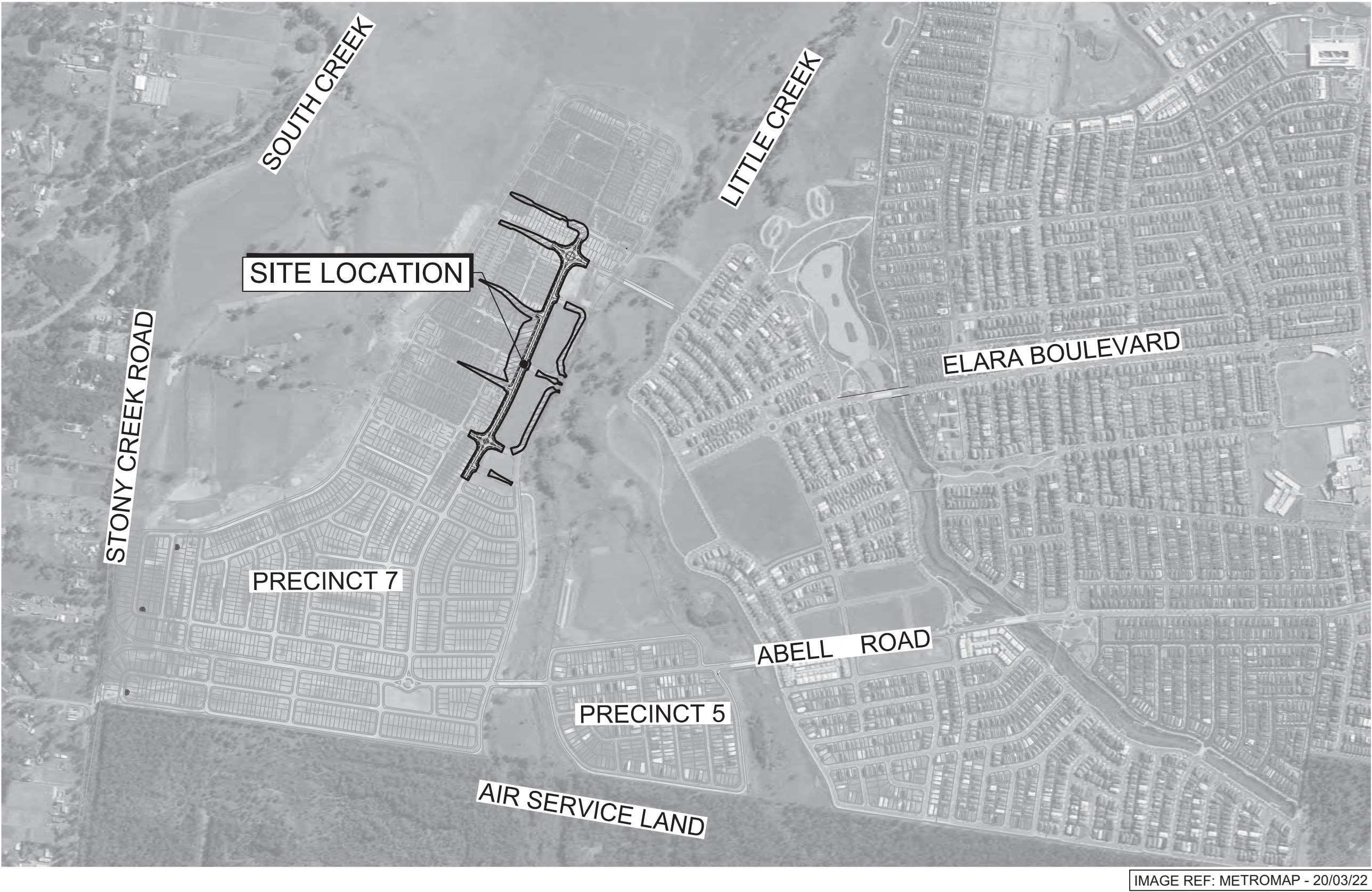




NEWPARK - PRECINCT 7, ROAD A102
SUBDIVISION WORKS CERTIFICATE
PROPOSED ROAD AND DRAINAGE WORKS
COUNCIL REF: SPP-17-00046



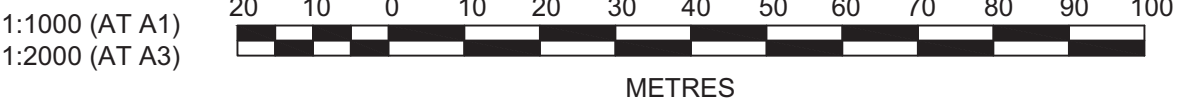
LOCALITY SKETCH

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by
LAND DEVELOPMENT CERTIFICATES
Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



Plans and specifications referenced in certificate no. **17799**
Christopher Louis Wahbe
Registered Certifier
No. Categories: Certifier
Subdivision BDC 3015

Land Development
Certificates www.LDC.com.au



							J. WYNDHAM PRINCE CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS		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, ROAD A102 COVER SHEET				PROJECT No: 9985-12	
							PO Box 4366 PENRITH WESTFIELD NSW 2750 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au				SHEET No: CC22001					
A	ISSUE FOR INFORMATION						KE/DG	NJ	DG	MS	28/07/22					
	AMENDMENT						DES	DRN	CKD	APR	DATE					

Plotted: 28 July, 2022 11:15:49 AM File Name: J:\9985DICC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\7 - Precinct 7\Road A102\9985-12-CC22001.dwg

- ALL WORKS ARE TO BE IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL'S WORKS SPECIFICATION - CIVIL (CURRENT VERSION).
2. SURVEY MARKS: -
 - a. SURVEY MARKS SHOWN THUS ▲ SHALL BE RETAINED AT ALL TIMES. WHERE RETENTION IS NOT POSSIBLE THE SUPERINTENDENT MUST BE NOTIFIED AND CONSENT RECEIVED PRIOR TO THEIR REMOVAL.
3. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST IF NECESSARY.
4. THE CONTRACTOR SHALL NOT ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE WRITTEN PERMISSION OF THE OWNERS. TO BE PROVIDED PRIOR TO THE APPROVAL OF THE PLANS.
5. THE CONTRACTOR SHALL MAINTAIN SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO ADJOINING PROPERTIES.
6. NO TREE SHALL BE FELLED, LOPPED OR REMOVED WITHOUT THE PRIOR APPROVAL OF COUNCIL'S ENGINEER.
7. TREES TO BE RETAINED ON SITE SHALL BE PROTECTED BY SUITABLE STURDY APPROVED PROTECTIVE FENCING PRIOR TO COMMENCEMENT OF SITE WORKS.
8. THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES, OUT-HOUSES, CAR BODIES AND DEBRIS ETC.
9. FILLING IS TO BE FROM A NOMINATED SOURCE, OF SOUND CLEAN MATERIAL, FREE FROM LARGE ROCK, STUMPS, CONTAMINATED MATTER, INDUSTRIAL AND BUILDING WASTE, ORGANIC MATTER AND OTHER DEBRIS. PLACING OF FILLING ON THE PREPARED AREAS SHALL NOT COMMENCE UNTIL THE AUTHORITY TO DO SO HAS BEEN OBTAINED FROM THE COUNCIL.
10. THE FILL MATERIAL THAT MAY BE RECEIVED AT THE DEVELOPMENT SITE ARE EXCAVATED NATURAL MATERIALS (VENM) AND EXCAVATED NATURAL MATERIAL (ENM) WITHIN THE MEANING OF THE PROTECTION OF THE ENVIRONMENTAL OPERATIONS ACT1997.
11. SITE FILL AREAS: - THE CONTRACTOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING FILL OPERATIONS.
12. ALL SITE FILLING TO BE COMPACTED TO 95% STANDARD COMPACTION AND SHALL BE CONTROLLED BY A REGISTERED SOIL LABORATORY IN ACCORDANCE WITH COUNCIL'S "WORKS SPECIFICATION".
13. ALL SITE REGRADING AREAS SHALL BE GRADED AT A MINIMUM 1% TO THE ENGINEER'S REQUIREMENTS.
14. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED BY THE SUPERINTENDENT.
15. ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS.
16. DIMENSIONS OF ANY DETAIL SHALL NOT BE SCALED - DIMENSIONS, IF IN DOUBT, SHALL BE VERIFIED BY THE SUPERINTENDENT.
17. ALL CONSTRUCTION AND RESTORATION WORK ON COUNCIL'S ROAD AND FOOTPATH AREA ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED DRAWINGS AND COUNCIL'S STANDARD SPECIFICATIONS.
18. ALL WORKS TO BE IN ACCORDANCE WITH THE SALINITY MANAGEMENT PLAN BY GEOTECH TESTING PTY LTD, REF: 85521-AA DATED 12/10/2016.
19. ALL STREET NAME POLES, LIGHT POLES AND BUS SHELTERS SHALL BE BLACK POWDER COATED IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL'S ENGINEERING GUIDE FOR DEVELOPMENT.
20. CONCRETE PATH PAVING MUST NOT BE PLACED UNTIL 80% OF LOTS HAVE BEEN BUILT UPON OR UNTIL APPROVED IN WRITING BY COUNCIL.
21. THE HOURS OF ANY OFFENSIVE NOISE-GENERATING DEVELOPMENT WORKS SHALL BE LIMITED TO BETWEEN 7.00am TO 5.00pm, MONDAYS TO FRIDAYS: 8.00am TO 1.00pm, SATURDAYS AND NO SUCH WORK TO BE UNDERTAKEN AT ANY TIME ON SUNDAY OR PUBLIC HOLIDAYS.
22. CONTRACTOR TO INSTALL STANDARD RESIDENTIAL LAYBACKS ON KERB AND GUTTER WHERE SHOWN ON PLANS TO BLACKTOWN CITY COUNCIL STANDARD DRAWING A(BS)102S.

1. BATTER SLOPES ARE TYPICALLY 1v:5h UNLESS NOTED OTHER WISE.
2. EXISTING SURFACE BASED ON BULK EARTHWORKS SURFACE. REFER TO WORK AS EXECUTED SURVEY BY VINCE MORGAN SURVEYORS (REF: 20260-MASTER-140920.DXF).

1. ALL SITE SET OUT AND CONTROL POINTS ARE TO BE CERTIFIED BY A REGISTERED SURVEYOR.
2. THE INFORMATION DETAILED ON THE CERTIFIED CONSTRUCTION CERTIFICATE PLANS TAKES PRECEDENCE OVER ALL ELECTRONIC INFORMATION PROVIDED. THE ORDER OF PRIORITY FOR USE OF ALL INFORMATION PROVIDED IS AS FOLLOWS:
 - a. CERTIFIED CONSTRUCTION CERTIFICATE DRAWINGS
 - b. 2D DRAFTING BASE (ELECTRONIC FILE)
 - c. 3D DTM (ELECTRONIC FILE)
3. ANY DISCREPANCY BETWEEN ANY OF THE INFORMATION CONTAINED WITHIN THESE FILES IS TO BE BROUGHT TO THE ATTENTION OF THE SUPERINTENDENT PRIOR TO CONSTRUCTION WHO WILL SEEK CLARIFICATION AND ISSUE INSTRUCTIONS ON THE APPROPRIATE COURSE OF ACTION.

1. STORMWATER DESIGN CRITERIA:

ANNUAL EXCEEDANCE PROBABILITY (AEP):
1% AEP MAJOR SYSTEM
5% AEP MINOR SYSTEM (COMMERCIAL) AND INTERALLOTMENT DRAINAGE
10% AEP MINOR SYSTEM
2. PIPES TO BE INSTALLED TO TYPE HS2 SUPPORT IN ACCORDANCE WITH AS 3725 (1989) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 300mm LAYERS TO MINIMUM 100% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
3. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).
4. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
5. GRATES AND COVERS SHALL CONFORM TO AS 3996.
6. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
7. DRAINAGE LINES UNDER ROADS SHALL BE BACKFILLED WITH NON-COHESIVE SAND AND HAVE 3m (AS PER BCC GUIDE) OF SUBSOIL DRAIN WRAPPED IN APPROVED FILTER SOCK, DISCHARGING INTO DOWN STREAM PITS. FOR PIPELINES GREATER THAN 525Ø, SUBSOIL DRAIN SHALL BE PROVIDED ON BOTH SIDES OF THE TRENCH.
8. ALL STORMWATER PIPES WITHIN ROADS TO BE REINFORCED CONCRETE PIPE (RRJ) CLASS 2 OR FRC CLASS 2 UNLESS NOTED OTHERWISE.
9. DRAINAGE LINES ON PLANS ARE DIAGRAMMATIC ONLY AND PIPE CENTRELINES SHALL ENTER AND EXIT PITS AT THE CENTRE OF THE RESPECTIVE PIT WALLS.
10. STEP IRONS REQUIRED WHERE THE PIT EXCEEDS 900mm IN DEPTH. REFER TO COUNCIL DRAWING A(BS)1115
11. PROVIDE A ROOF WATER OUTLET TO THE KERB FOR EACH LOT THAT DRAINS TO STREET.
12. ALL SPECIAL PITS, PITS DEEPER THAN 2m OR NON STANDARD DRAINAGE PITS CAN BE EITHER CAST INSITU WITH STRUCTURAL DESIGN AND CERTIFICATION BY OTHERS. OR "AUS PIT" CUSTOM MADE PRECAST PIT OR SIMILAR APPROVED.
13. 1% AEP FLOW PATHS TO BE FORMED AT TIME OF CONSTRUCTION.

1. DESIGN DOCUMENTATION REFLECTS PRECAST DRAINAGE PITS BEING USED FOR THE SITE, UNLESS NOTED OTHERWISE. AUSPITS OR SIMILAR APPROVED CUSTOM MADE PRECAST PITS TO BE USED.
2. PITS TO COMPLY WITH THE FOLLOWING PARAMETERS:
 - a. ARE SPECIFICALLY MANUFACTURED FOR THE PROJECT.
 - b. EACH PIT IS ACCOMPANIED BY A CERTIFICATE OF STRUCTURAL ADEQUACY SIGNED BY A NPER ENGINEER (STRUCTURAL)
 - c. THE STRUCTURAL CERTIFICATION OF THE PITS SHOULD INCLUDE ANY ADDITIONAL PRECAST ELEMENTS REQUIRED TO BRING THE PIT UP TO FINAL LEVELS ON SITE.
 - d. PITS MUST BE FIRMLY BEDDED ON SOUND MATERIAL.
 - e. CONCRETE IS TO BE POURED AROUND THE BASE TO AID IN STABILISATION OF THE PIT.
 - f. PIT FLOORS ARE TO HAVE A 1% FALL TOWARDS THE OUTLET PIPE.
 - g. ANY PIT REQUIRING MODIFICATION AFTER IT HAS BEEN POURED IN THE FACTORY OR DAMAGED IN TRANSPORT CANNOT BE USED.
 - h. ALL WORK TO BE TO THE SATISFACTION OF COUNCIL'S DEVELOPMENT INSPECTORS.
3. SHOULD THE CONTRACTOR CHOOSE TO CONSTRUCT ANY PIT AS "CAST-IN-SITU", IT'S THE CONTRACTORS RESPONSIBILITY TO PROVIDE DETAILED PIT DRAWINGS AND STRUCTURAL CERTIFICATION OF THE RELEVANT PITS.

1. STORMWATER SYSTEM DESIGNED USING 12D DYNAMIC (ILSAX) SYSTEM.
2. MAXIMUM FLOW WIDTHS OF 2.0m IN GUTTERS HAVE GENERALLY BEEN ADOPTED HOWEVER EXTENDED TO 2.5m IN SOME LOCATIONS TO REDUCE THE NUMBER OF PITS REQUIRED DUE TO FLAT ROAD GRADES.

IN THE EVENT OF AN UNEXPECTED FINDS, ALL WORKS SHALL CEASE AND THE SITE FOREMAN SHALL CONTACT THE CERTIFYING AUTHORITY AND A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT TO CONDUCT AN ASSESSMENT. APPROPRIATE MEASURES SHALL BE IMPLEMENTED ON THE BASIS OF THE ASSESSMENT INCLUDING BUT NOT LIMITED TO ISOLATION OF THE SITE, FURTHER INVESTIGATION AND ENVIRONMENTAL CONTROLS TO MINIMISE THE POTENTIAL MIGRATION OF CONTAMINANTS FROM THE IMPACTED AREA. AFFECTED AREAS CAN ONLY BE REOPENED SUBJECT TO A CLEARANCE OF THE LOCATION AND ISSUANCE OF A REPORT BY THE ENVIRONMENTAL CONSULTANT.

ANY SUSPECTED ASBESTOS CONTAINING SHOULD BE LEFT IN PLACE AND NOT DISTURBED. THE ENVIRONMENTAL CONSULTANT SHALL ORGANISE FOR FURTHER INVESTIGATION PURPOSES AND SUBSEQUENT REMOVAL BY AN APPROPRIATE LICENSED CONTRACTOR.

ANY UNEXPECTED FINDS ENCOUNTERED SHOULD BE LISTED ON A UFP REGISTER, WHICH SHOULD INCLUDE THE ACTION TAKEN AND THE STATUS OF THE UNEXPECTED FIND. PRIOR TO CLOSING OUT AN UNEXPECTED FIND IT WILL BE IMPORTANT TO ENSURE THE APPROPRIATE DOCUMENTATION IS OBTAINED SUCH AS PHOTOGRAPHS, THE UFP FORM, WASTE CLASSIFICATION LETTER(S) AND VALIDATION REPORT OR LETTER.

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS	28/07/22	
	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

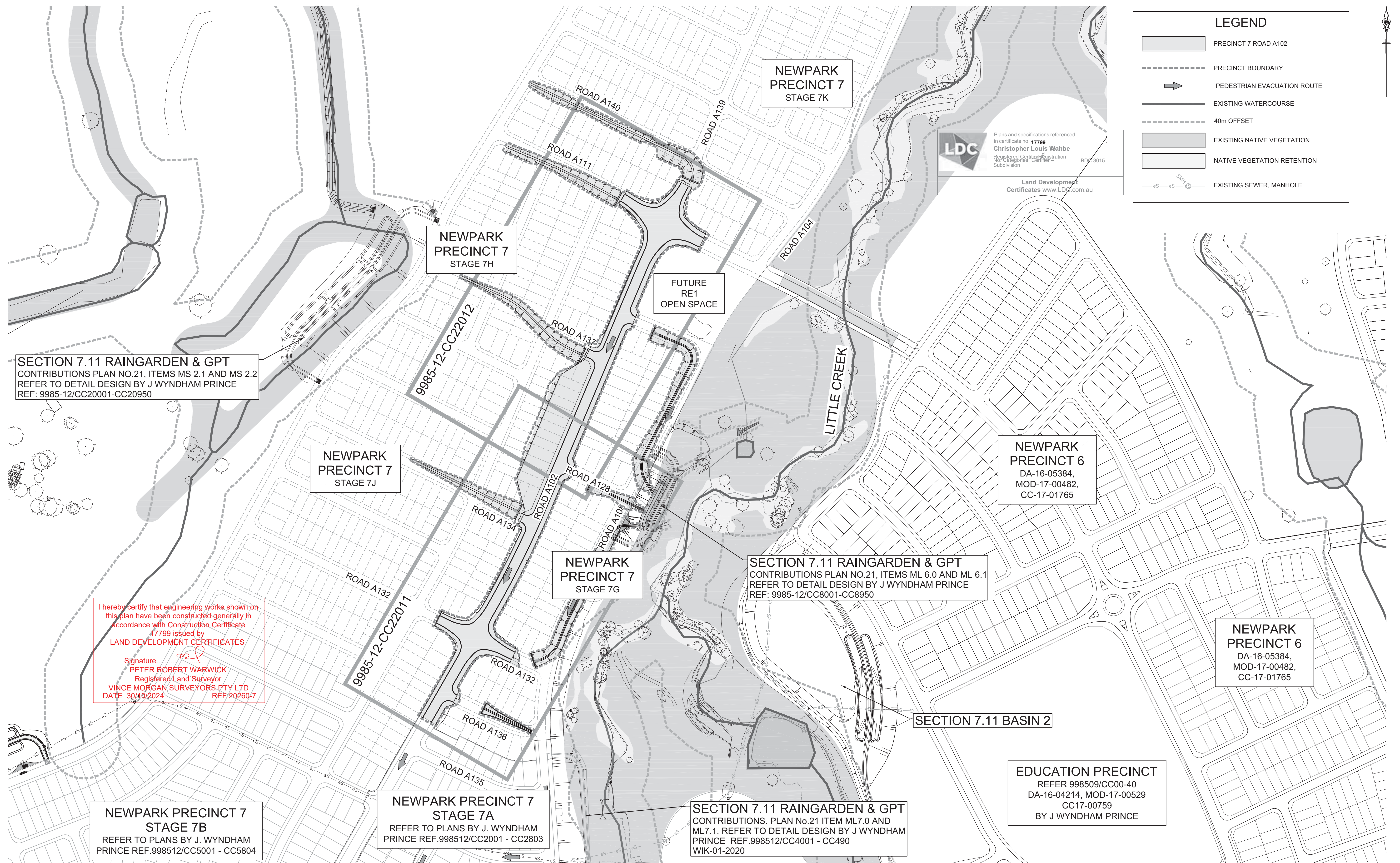
CLIENT:

 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, ROAD A102 GENERAL NOTES				PROJECT No: 9985-12	
				SHEET No: CC22003	
AZIMUTH: M.G.A. 94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No:	9985-12-CC22003	A



SECTION 7.11 RAINGARDEN & GPT
CONTRIBUTIONS PLAN NO.21, ITEMS MS 2.1 AND MS 2.2
REFER TO DETAIL DESIGN BY J WYNNDHAM PRINCE
REF: 9985-12/CC20001-CC20950

NEWPARK
PRECINCT 7
STAGE 7J

NEWPARK
PRECINCT 7
STAGE 7H

NEWPARK
PRECINCT 7
STAGE 7G

SECTION 7.11 RAINGARDEN & GPT
CONTRIBUTIONS PLAN NO.21, ITEMS ML 6.0 AND ML 6.1
REFER TO DETAIL DESIGN BY J WYNDHAM PRINCE
REF: 9985-12/CC8001-CC8950

NEWPARK
PRECINCT 6
DA-16-05384,
MOD-17-00482,
CC-17-01765

NEWPARK
PRECINCT 6
DA-16-05384,
MOD-17-00482,
CC-17-01765

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/04/2024 REF 20260-7

NEWPARK PRECINCT 7
STAGE 7B
REFER TO PLANS BY J. WYNDHAM
PRINCE REF.998512/CC5001 - CC5804

NEWPARK PRECINCT 7
STAGE 7A
REFER TO PLANS BY J. WYNDHAM
PRINCE REF.998512/CC2001 - CC2803

SECTION 7.11 RAINGARDEN & GPT
CONTRIBUTIONS. PLAN No.21 ITEM ML7.0 AND
ML7.1. REFER TO DETAIL DESIGN BY J WYNDHAM
PRINCE REF.998512/CC4001 - CC490
WIK-01-2020

EDUCATION PRECINCT
REFER 998509/CC00-40
DA-16-04214, MOD-17-00529
CC17-00759
BY J WYNDHAM PRINCE

50 0 50 100 150 200

1:2000 (AT A1)

1:4000 (AT A3)

METRES

PROJECT No:
9985-12

SHEET No:
CC22004

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	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:

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NEWPARK
PRECINCT 7, ROAD A102
OVERALL SITE PLAN

AZIMUTH: M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22004
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A

Signature P.R.
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



Road A102 (FLAMETREE PDE)				
EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
295480.42	6268647.14	4°07'39.95"		
295498.23	6268694.02	4°07'39.95"		
295502.35	6268951.1		250	112.52
295530.9	6268900.71	29°54'57.89"		
295692.4	6269281.4	29°54'57.89"		
295723.33	6269335.15		-1000	123.88
295747.39	6269236.32	22°49'04.91"		
295805.48	6269330.41			
295859.87	6269659.68			
295870.3	6269684.47		500.03	53.74
295883.33	6269708	28°58'32.09"		

Road A128 (COCKATIEL ST)			
CHAINAGE	EASTING	NORTHING	BEARING
0	295767.49	6269440.09	115°55'30.20"
83.08	295842.21	6269403.77	115°55'30.20"

* NOTE: LIMIT OF WORKS - CH 0.0 TO CH 14.726

Road A108 (EMU PDE)						
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	
0	294997.07	6268711.71	188°24'49.73"			
123	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	6268548.19	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	295655.55	6268523.33	357°58'00.63"			
884.74	295653.84	6268562.63			218.4	77.85
933.67	295666.25	6268599.99	18°23'26.03"			
1057.54	295705.31	6268717.53	18°23'26.03"			
1062.55	295706.93	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	295767.89	6268831.43		-457.6		169.12
1345.76	295759.69	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°07'40.98"			
1935.32	295916.84	6269549.44	27°07'40.98"	-20		32.92
1951.78	295926.67	6269568.63				
1968.24	295908.8	6269568.63	292°49'04.85"			
2043.56	295837.37	6269606.2	292°49'04.85"			

* NOTE: LIMIT OF WORKS - CH 2029.561 TO CH 2043.561

Road A111 (QUOLL ST)				
CHAINAGE	EASTING	NORTHING	BEARING	A.LENGTH
0	295695.93	6269809.21	115°55'30.23"	
110.9	295795.67	6269760.73	115°55'30.23"	
143.62	295825.14	6269746.4	500	65.45
176.35	295852.5	6269728.35	123°25'30.01"	
213.29	295883.33	6269702.08	123°25'30.01"	

Road A132 (GOANNA/RIBERRY ST)			
CHAINAGE	EASTING	NORTHING	BEARING
0	295419.79	6269372.28	115°55'30.22"
282.3	295673.68	6269248.86	

Road A134 (SPIKERUSH ST)			
CHAINAGE	EASTING	NORTHING	BEARING
0	295487.99	6269497.01	115°55'30.20"

Road A136 (GUNNERA ST)					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295638.18	6269187.17	115°55'30.03"		
80.46	295710.54	62691551.99	115°55'30.03"		
94.11	295723.04	6269145.92		-60	27.31
107.77	295736.94	6269145.96	89°50'30.75"		
118.84	295748.01	6269145.99	89°50'30.75"		

Road A137 (BREAM ST)			
CHAINAGE	EASTING	NORTHING	BEARING
0	295751.13	6269588.17	115°55'30.20"
72.61	295816.43	6269556.43	115°55'30.20"

Road A139 (CUSCUS ST)					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295883.33	6269708	28°42'14.87"		
38.85	295901.99	6269742.07	28°42'14.87"		
60.67	295912.47	6269761.22		-500	43.63
82.48	295921.25	6269781.21	23°42'14.91"		

CLIENT:

 WINTEN
PROPERTY
GROUP

STATUS: **ISSUE FOR
CONSTRUCTION
APPROVAL**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UN
SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFI

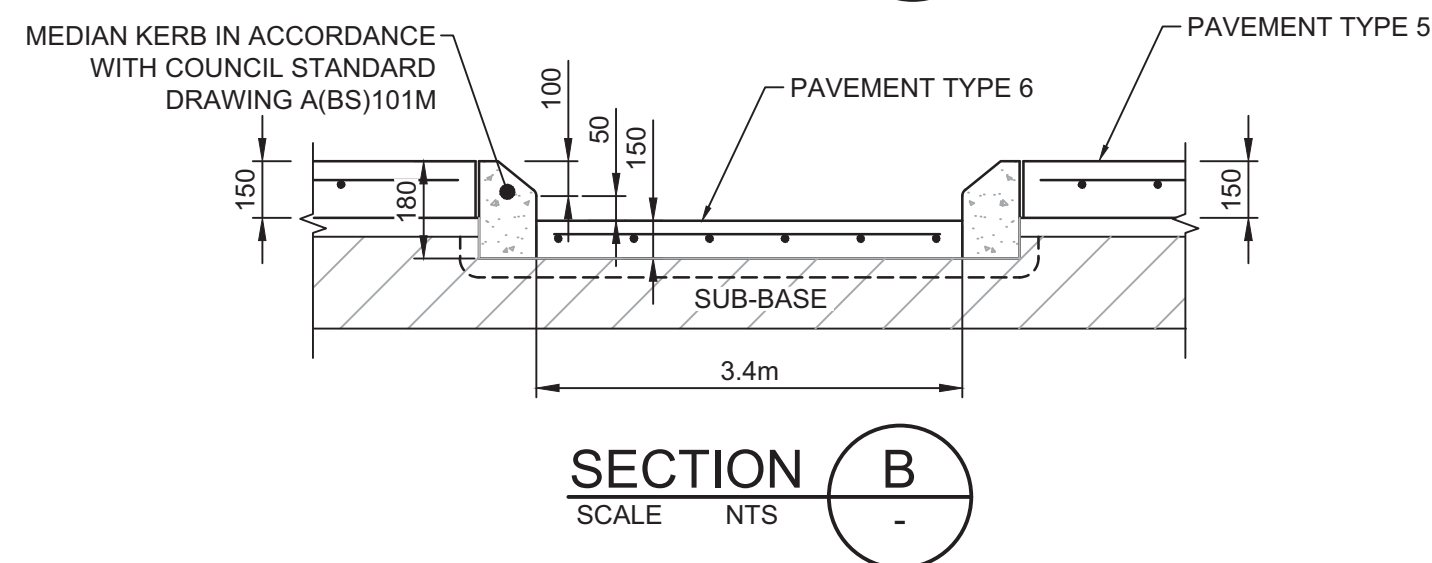
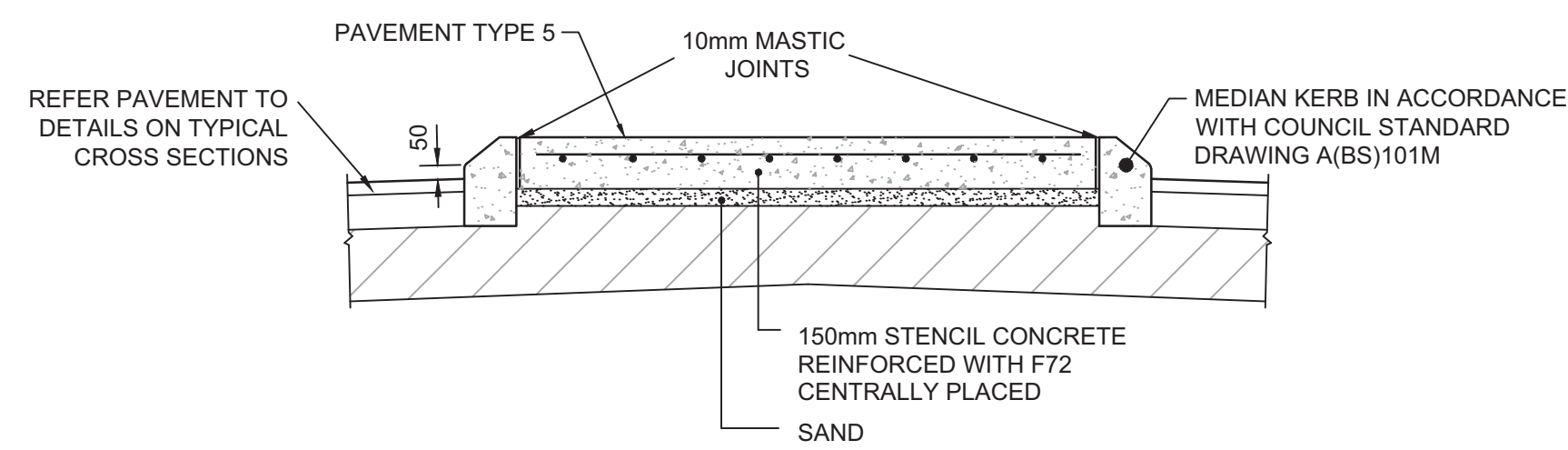
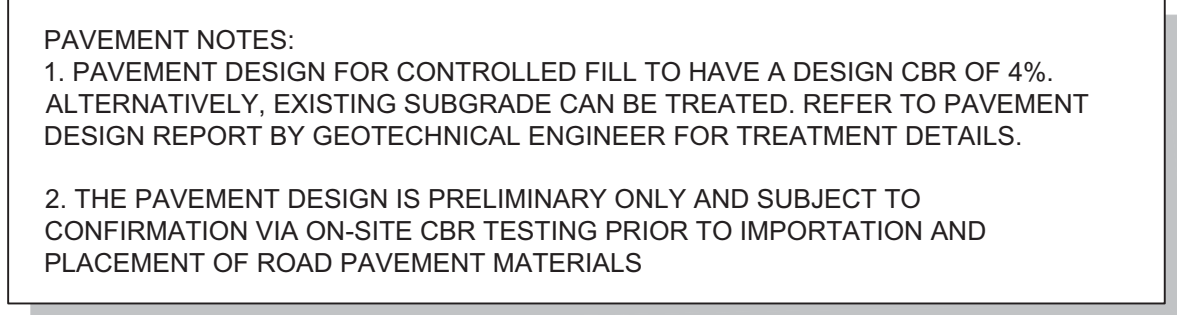
NEWARK
PRECINCT 7, ROAD A102
SETOUT PLAN

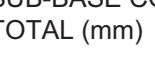
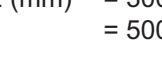
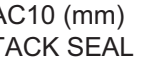
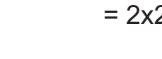
PROJECT No:	9985-12
SHEET No:	CC22005

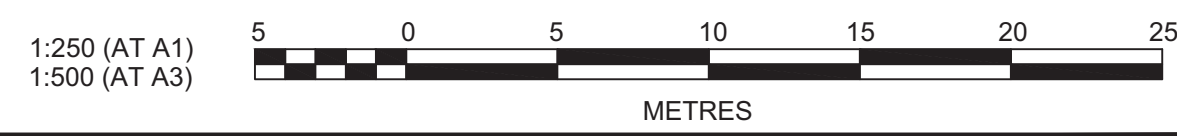
AZIMUTH: M G A 94	DATUM: A H D	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22005
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A

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



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 1x10 ⁶	
	AC10 (mm) = 2x25	STENCIL CONCRETE REINFORCED = 150
	TACK SEAL	WITH F72 CENTRALLY PLACED (mm)
	BASE COURSE - DGB20 (mm) = 150	SAND (mm) = 150
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 300	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 300 TO 430
	TOTAL (mm) = 500	TOTAL (mm) = 500 TO 630
	PAVEMENT TYPE 2 (ROAD TYPES 3, 4 & 5 - LOCAL + BOUNDARY ROADS) ESA 5x10 ⁵	
	AC10 (mm) = 2x25	PAVEMENT TYPE 6 (MEDIAN ISLAND 2)
	TACK SEAL	BROOM FINISH CONCRETE REINFORCED =150
	BASE COURSE - DGB20 (mm) = 150	WITH F72 CENTRALLY PLACED (mm)
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 270	SAND (mm) = 50
	TOTAL (mm) = 470	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 325
	PAVEMENT TYPE 3	TOTAL (mm) = 525
	AC14 (mm) POLYMER MODIFIED = 75	PAVEMENT TYPE 7 (FOOTPATH)
	TACK SEAL	CONCRETE 125mm TO BLACKTOWN CITY COUNCIL "PATH PAVING POLICY 2009"
	BASE COURSE - DGB20 (mm) = 150	
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 300	
	TOTAL (mm) = 525	PAVEMENT TYPE 8 (SHARED PATH)
	PAVEMENT TYPE 4 (CENTRAL ISLAND)	CONCRETE 125mm WITH SL82 MESH TO BLACKTOWN CITY COUNCIL "PATH PAVING POLICY 2009" & STANDARD DRAWING A(BS)134S
	REINFORCED CONCRETE WITH SL92 = 175 TO 250	
	MESH 50mm TOP COVER	
	BASE COURSE DGB 20(mm) = 150	PAVEMENT TYPE 9 (CENTRAL LANDSCAPE AREA)
	SUB BASE COURSE - CRUSHED SANDSTONE = 300	REFER TO LANDSCAPE ARCHITECT PLANS FOR DETAILS
	TOTAL (mm) = 625 TO 695	



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					DATE

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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:

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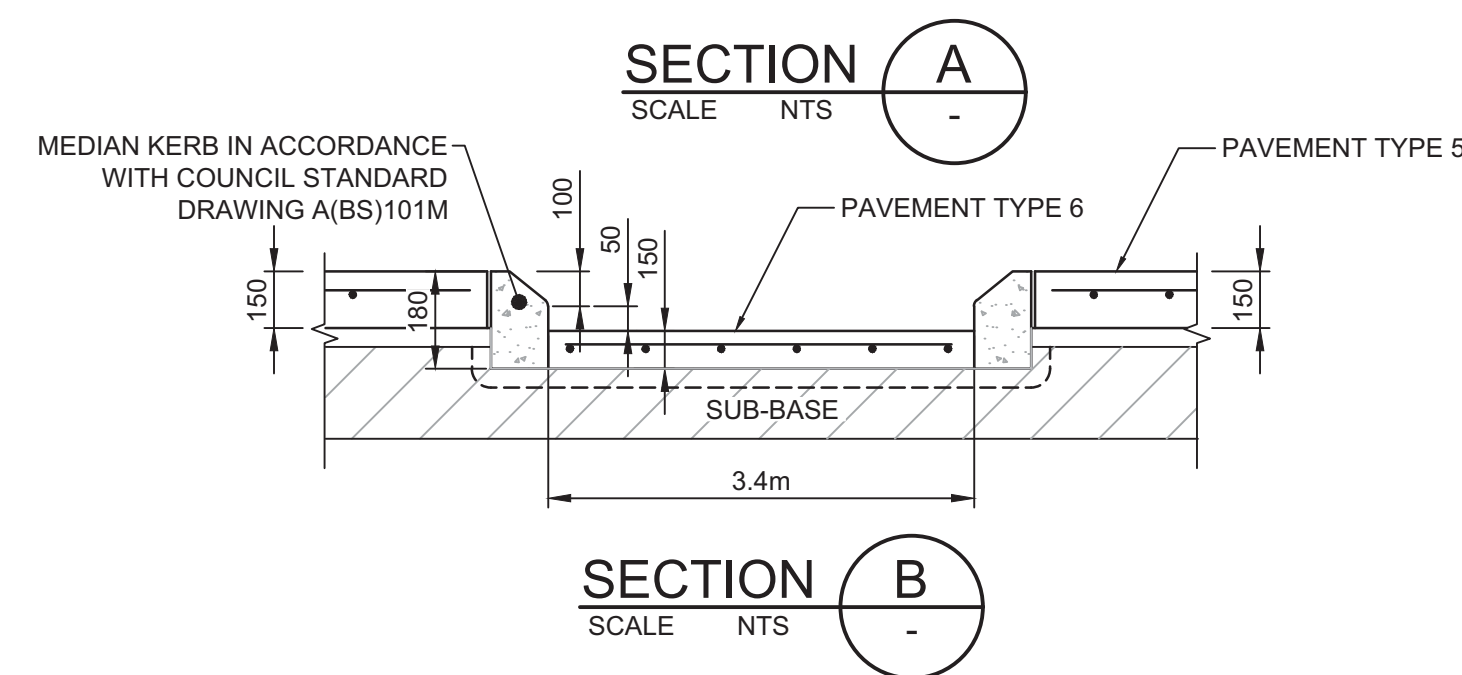
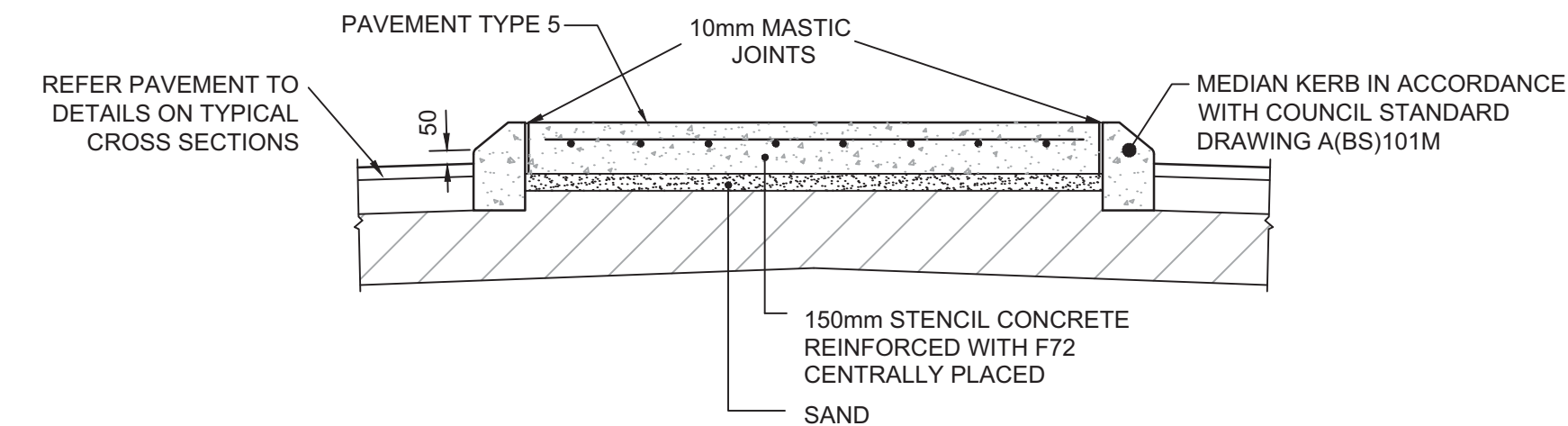
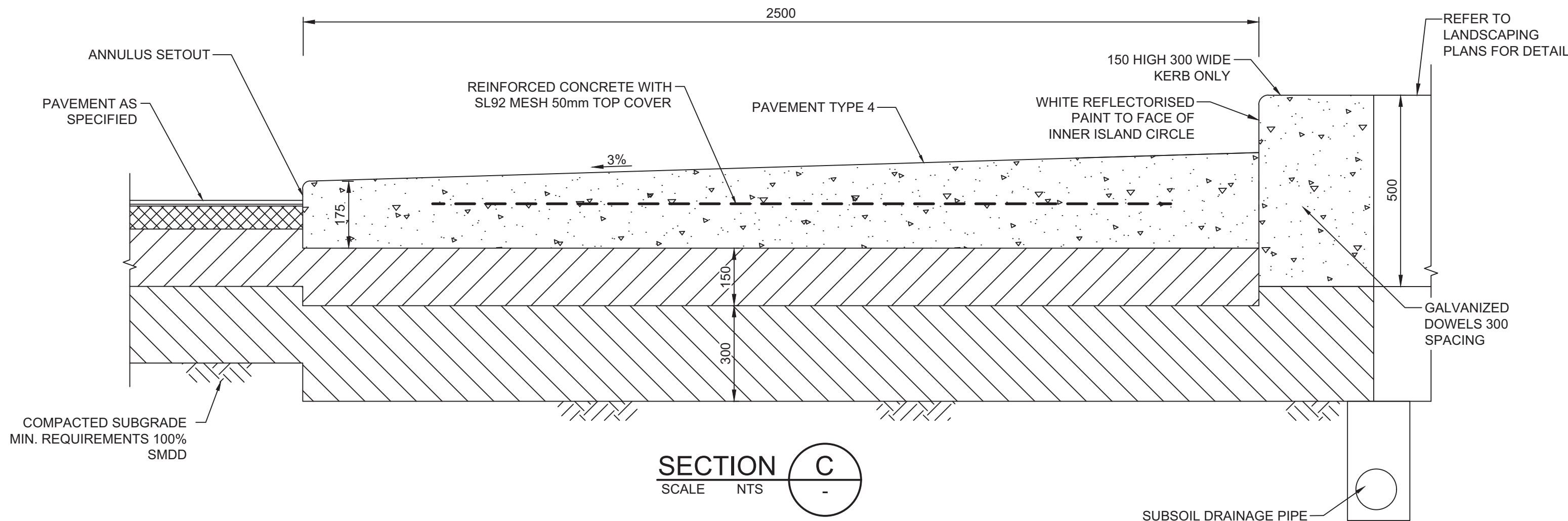
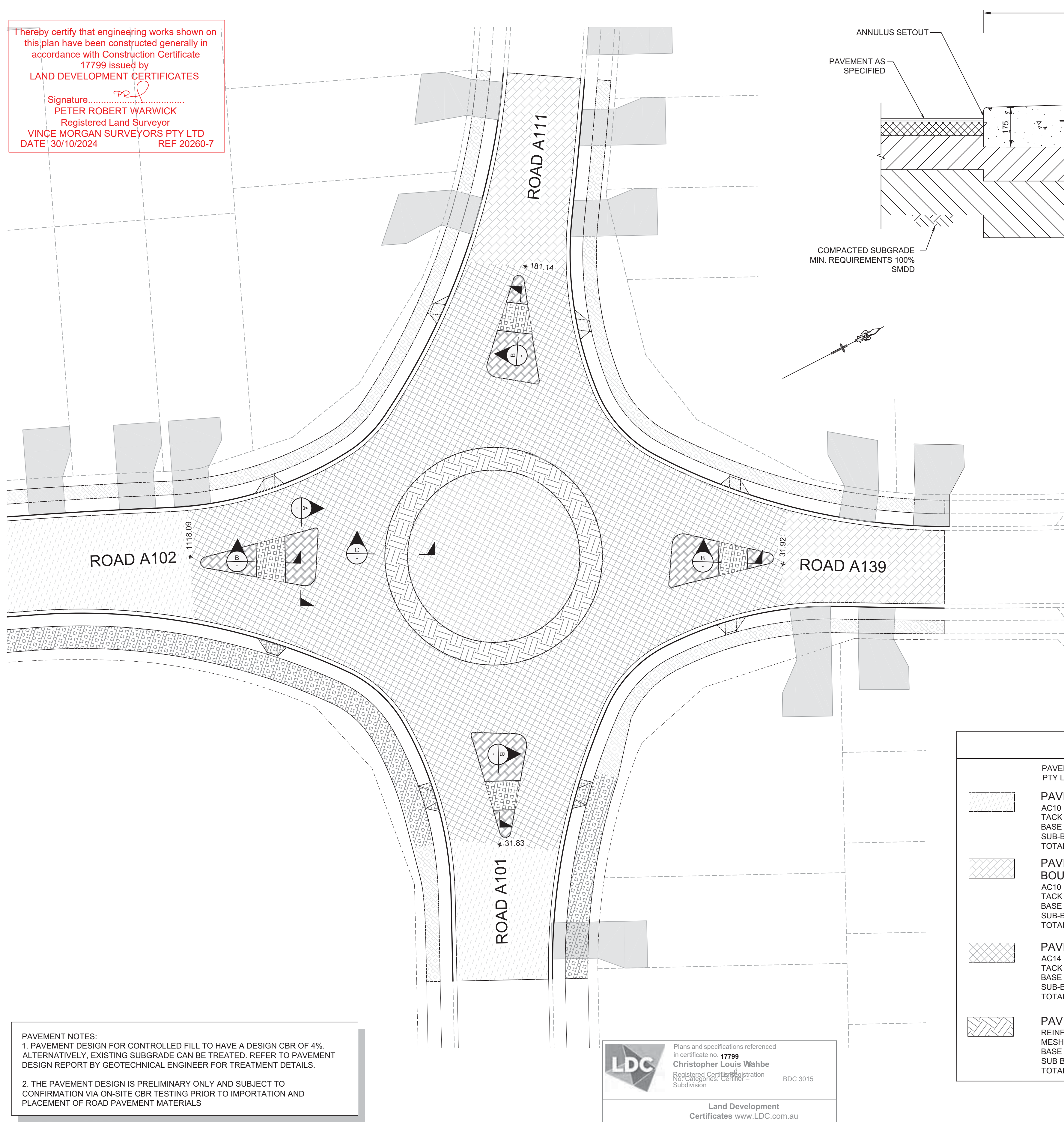
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NEWPARK PRECINCT 7, ROAD A102 PAVEMENT PLAN SHEET 2				PROJECT No: 9985-12		
				SHEET No: CC22007		
AZIMUTH: M.G.A. 94		DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No:	9985-12-CC22007	A

Plotted: 28 July, 2022 11:18:03 AM File Name: J:\9985\12-CC22008.dwg File Name: J:\9985\12-CC22008.dwg

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



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 1x10 ⁶
	AC10 (mm) = 2x25
	TACK SEAL = 150
	BASE COURSE - DGB20 (mm) = 300
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 500
	TOTAL (mm) = 500
	PAVEMENT TYPE 2 (ROAD TYPES 3, 4 & 5 - LOCAL + BOUNDARY ROADS) ESA 5x10 ⁵
	AC10 (mm) = 2x25
	TACK SEAL = 150
	BASE COURSE - DGB20 (mm) = 270
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 470
	TOTAL (mm) = 470
	PAVEMENT TYPE 3
	AC14 (mm) POLYMER MODIFIED = 75
	TACK SEAL = 150
	BASE COURSE - DGB20 (mm) = 300
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 525
	TOTAL (mm) = 525
	PAVEMENT TYPE 4 (CENTRAL ISLAND)
	REINFORCED CONCRETE WITH SL92 MESH 50mm TOP COVER = 175 TO 250
	BASE COURSE DGB 20(mm) = 150
	SUB BASE COURSE - CRUSHED SANDSTONE = 300
	TOTAL (mm) = 625 TO 695
	PAVEMENT TYPE 5 (MEDIAN ISLAND)
	STENCIL CONCRETE REINFORCED WITH F72 CENTRALLY PLACED (mm) = 150
	SAND (mm) = 150
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 300 TO 430
	TOTAL (mm) = 500 TO 630
	PAVEMENT TYPE 6 (MEDIAN ISLAND 2)
	BROOM FINISH CONCRETE REINFORCED WITH F72 CENTRALLY PLACED (mm) = 150
	SAND (mm) = 50
	SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 325
	TOTAL (mm) = 525
	PAVEMENT TYPE 7 (FOOTPATH)
	CONCRETE 125mm TO BLACKTOWN CITY COUNCIL "PATH PAVING POLICY 2009"
	PAVEMENT TYPE 8 (SHARED PATH)
	CONCRETE 125mm WITH SL82 MESH TO BLACKTOWN CITY COUNCIL "PATH PAVING POLICY 2009" & STANDARD DRAWING A(BS)134S
	PAVEMENT TYPE 9 (CENTRAL LANDSCAPE AREA)
	REFER TO LANDSCAPE ARCHITECT PLANS FOR DETAILS

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

LDC
Plans and specifications referenced in certificate no. 17799
Christopher Louis Wahbe
Registered Certificate
No. 17799
Subdivision
BDC 3015
Land Development
Certificates www.LDC.com.au

1:250 (AT A1)
1:500 (AT A3)
5 0 5 10 15 20 25
METRES

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS	28/07/22
AMENDMENT	DES	DRN	CKD	APR	DATE	

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

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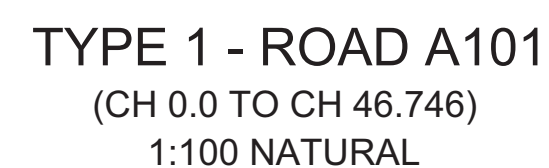
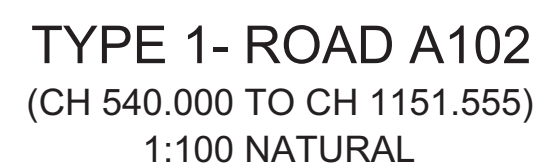
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NEWPARK
PRECINCT 7, ROAD A102
PAVEMENT PLAN
SHEET 3

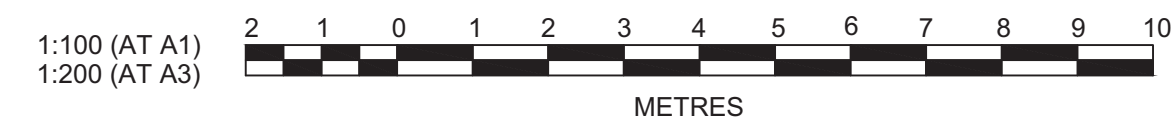
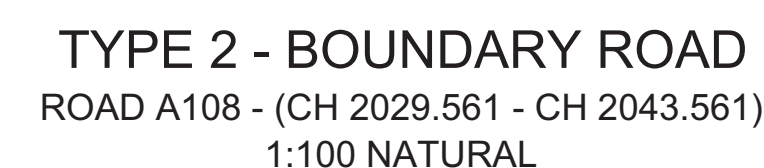
PROJECT No: **9985-12**
SHEET No: **CC22008**

AZIMUTH: M.G.A.94
DATUM: A.H.D.
ORIGIN: SSM 1112
PLAN No: **9985-12-CC22008**
A

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



ROAD A111 - (CH 160.012 TO CH 213.293)
ROAD A128 - (CH 0.000 TO CH 14.726)
ROAD A132 - (CH 237.242 TO CH 329.377)
ROAD A134 - (CH 265.391 TO CH 279.921)
ROAD A136 - (CH 0.000 TO CH 14.941)
ROAD A137 - (CH 53.185 TO 72.607)
ROAD A139 - (CH 0.000 TO CH 49.740)
1:100 NATURAL



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					DATE

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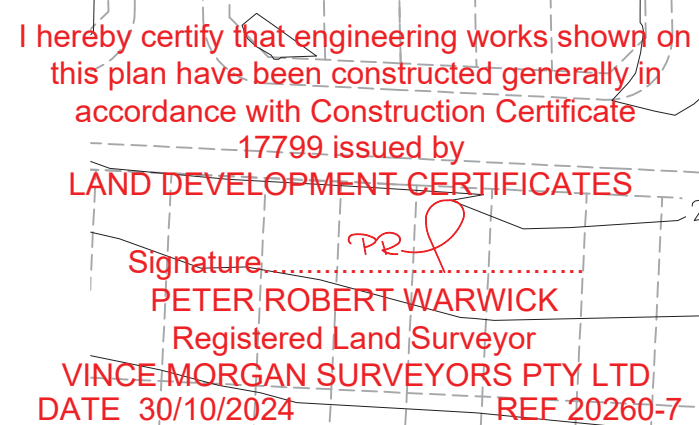
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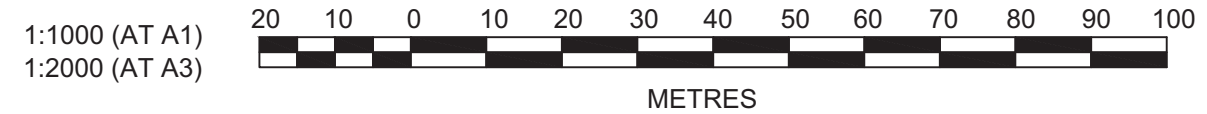
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NEWPARK PRECINCT 7, ROAD A102 TYPICAL SECTIONS				PROJECT No: 9985-12		
				SHEET No: CC22009		
AZIMUTH:M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No:	9985-12-CC22009		A



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



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	AMENDMENT	DES	DRN	CKD	APR
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					DATE

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NEWPARK
PRECINCT 7, ROAD A102
CUT & FILL PLAN

PROJECT No:

9985-12

SHEET No:

CC22010

AZIMUTH: M.G.A.94

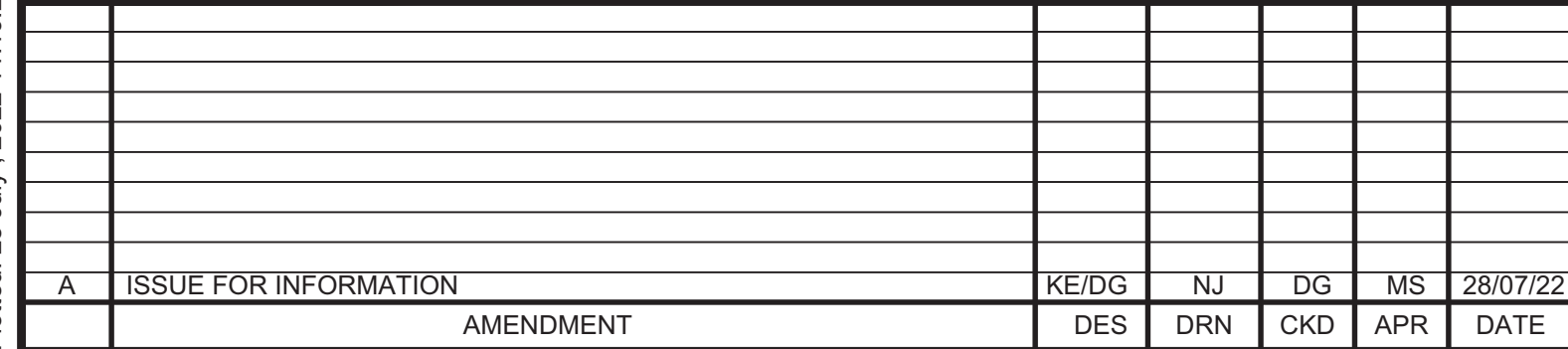
DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 9985-12-CC22010

A

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



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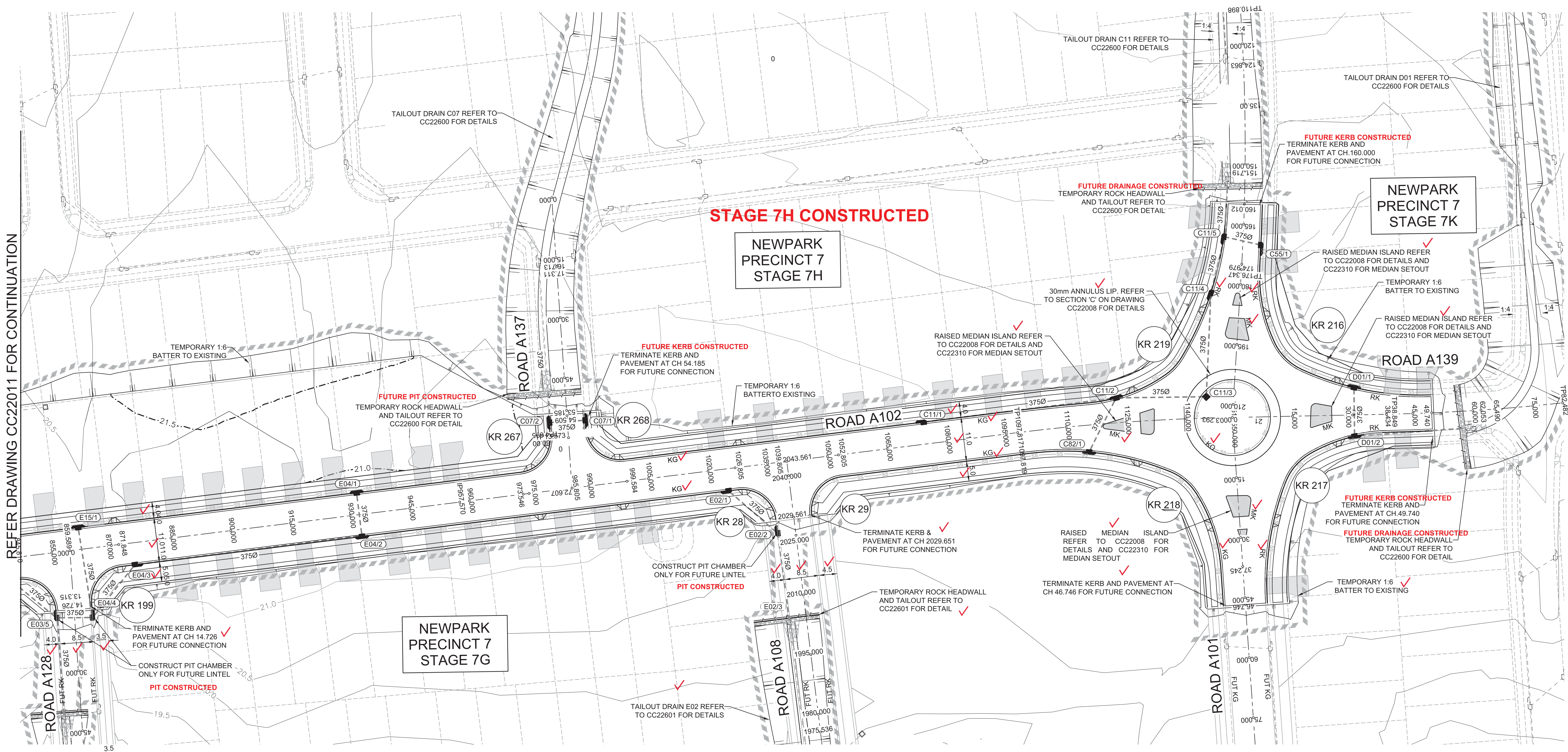
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SHEET No:	CC22011

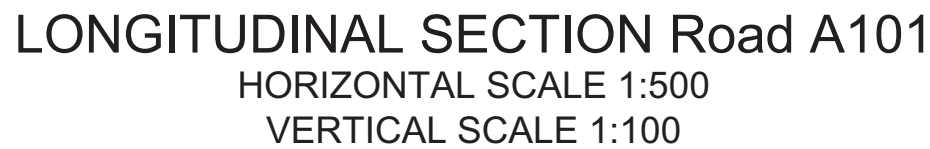
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I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

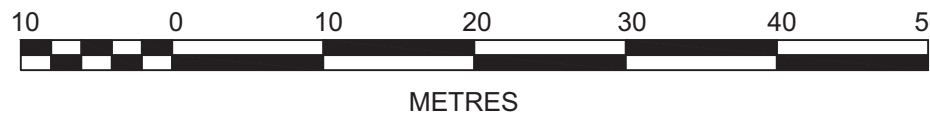
Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

REFER DRAWING CC22011 FOR CONTINUATION

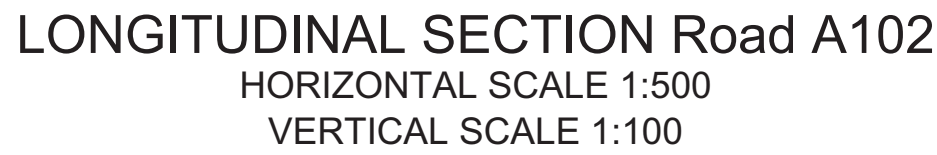
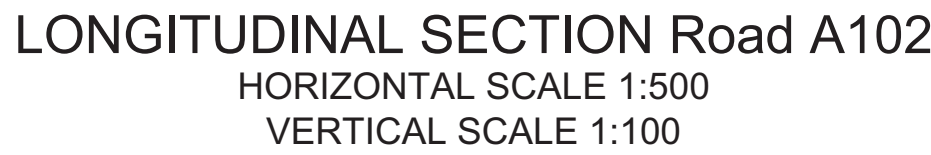




	Plans and specifications referenced in certificate no. 17799 Christopher Louis Wahbe Registered Certificate Registration No categories, Vendor Subdivision BDC 3015
Land Development Certificates www.LDC.com.au	



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, ROAD A102 ROAD LONGITUDINAL SECTIONS SHEET 1				PROJECT No: 9985-12
							SHEET No: CC22101
			AZIMUTH:M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC22101				A



Plans and specifications referenced in certificate no. **17799**
Christopher Louis Wahbe
 Registered Certificate Registration
 No. Categories Certificate
 Subdivision BDC 3015

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	AMENDMENT	DES	DRN	CKD	APR
					28/07/22
					DATE

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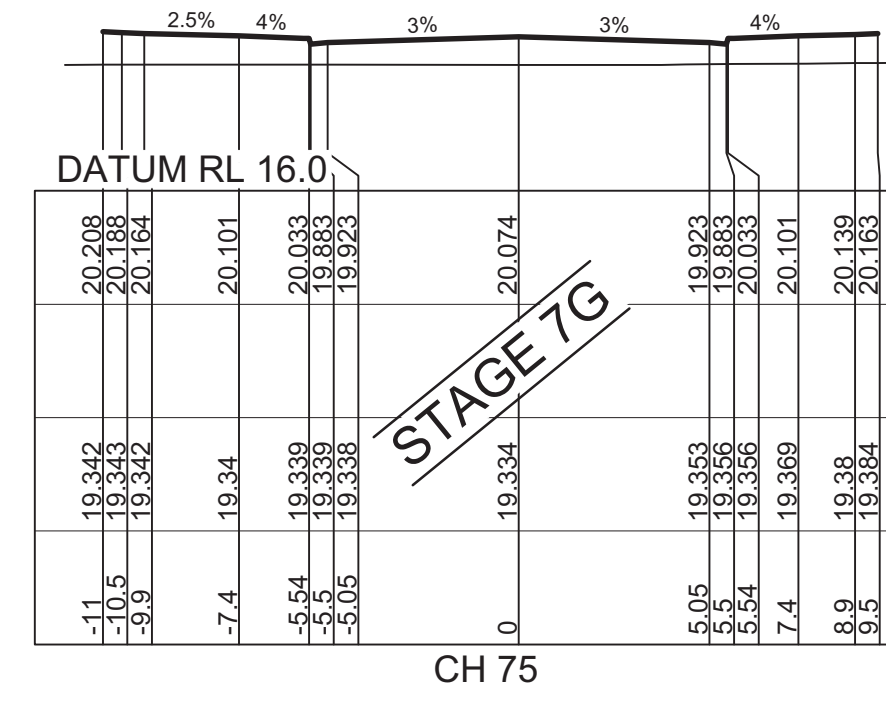
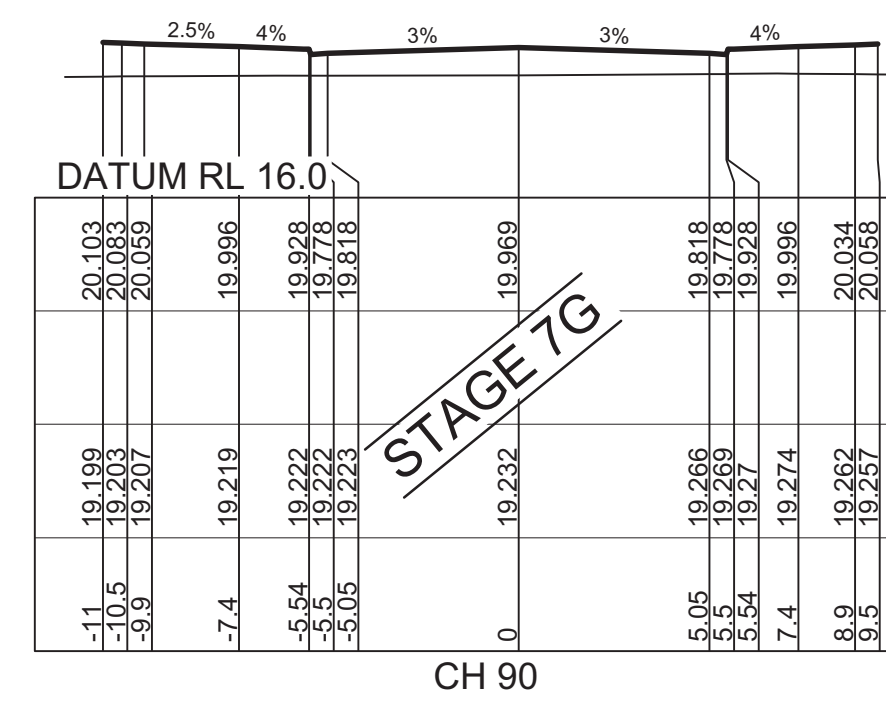
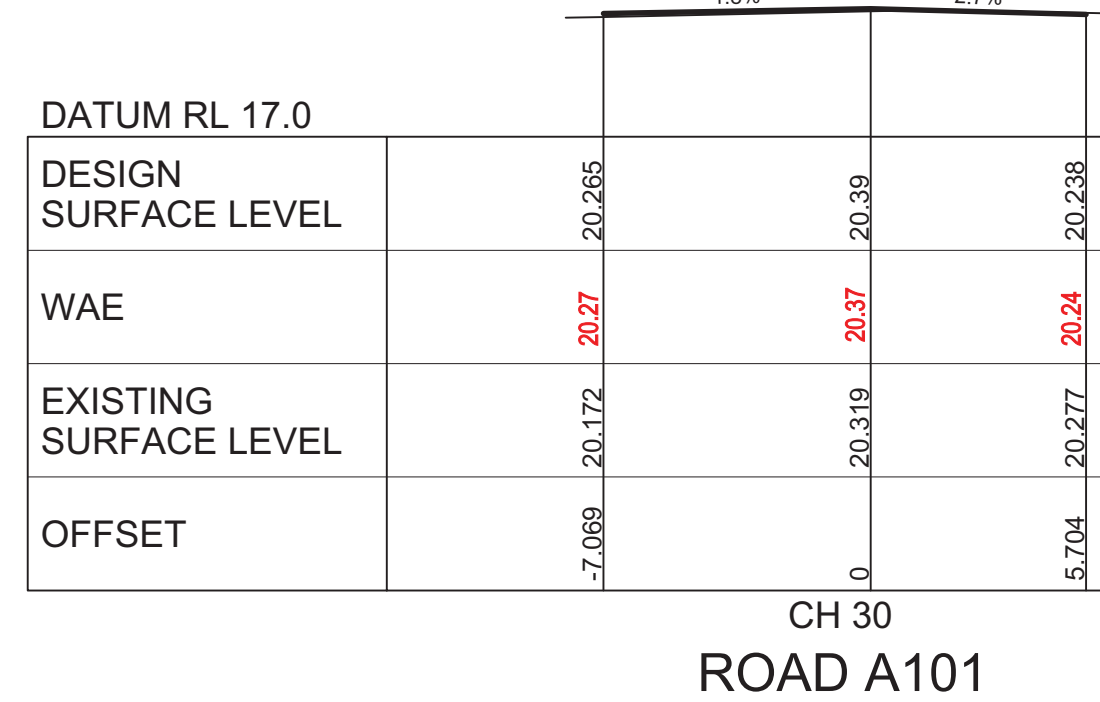
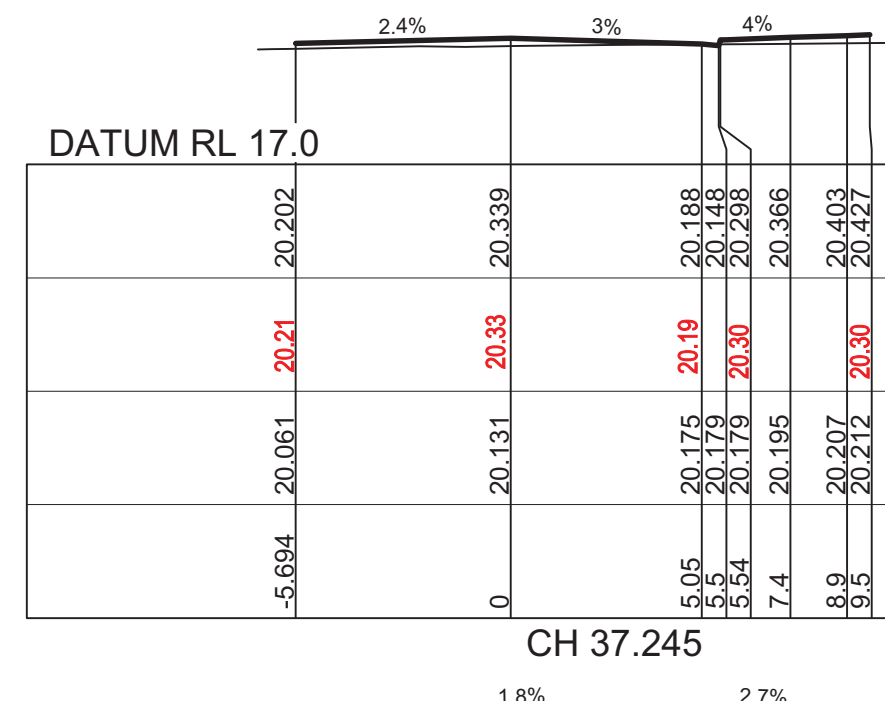
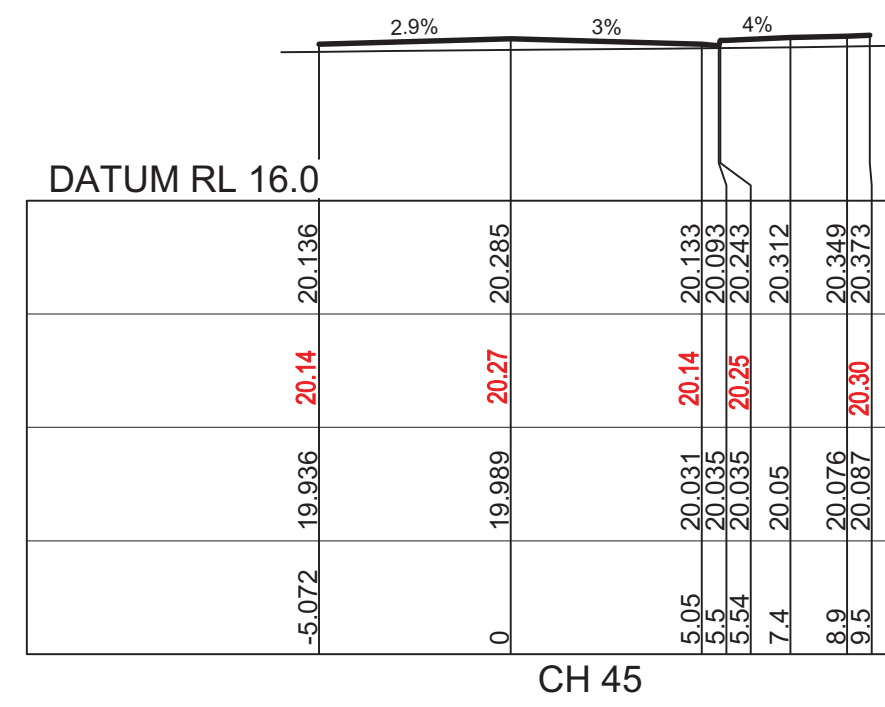
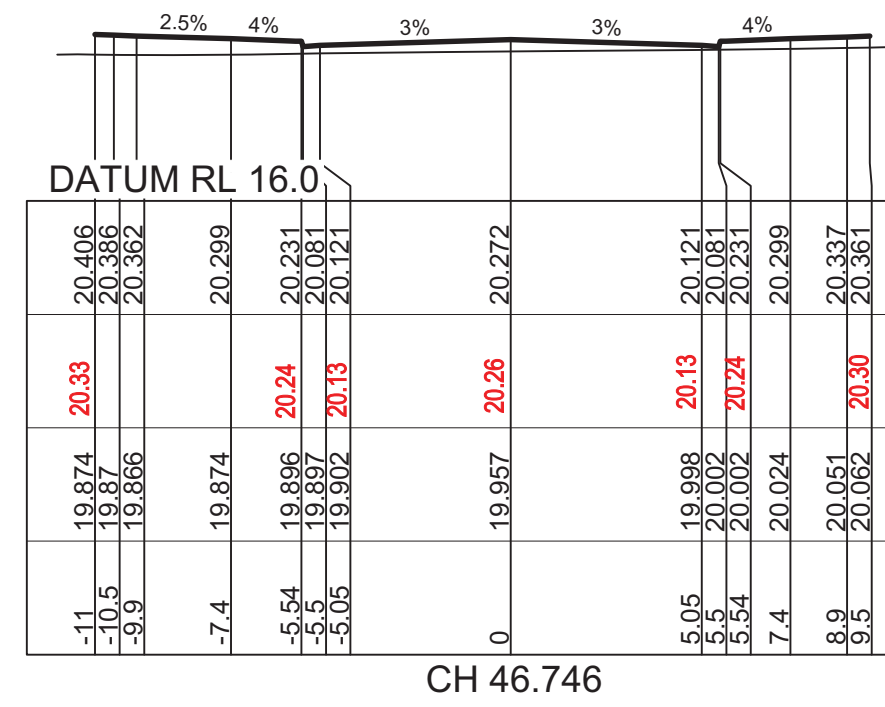
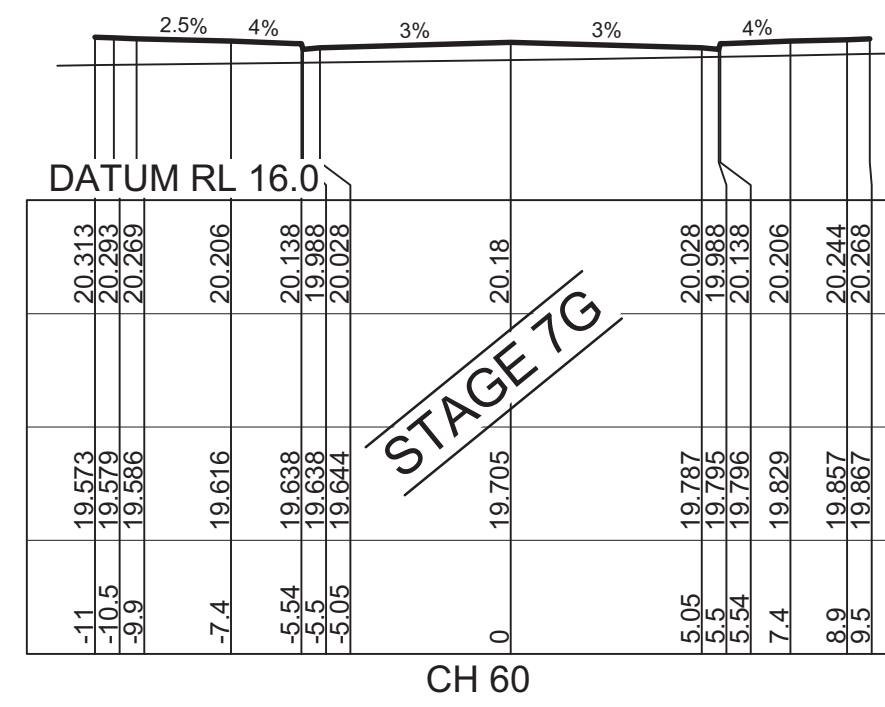
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NEWPARK PRECINCT 7, ROAD A102 ROAD LONGITUDINAL SECTIONS SHEET 2			
AZIMUTH:M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-C

PROJECT No: 9985-12	
SHEET No: CC22102	
CC22102	A

REFER TO ENGINEERING
PLANS CC22011 TO CC22012
FOR LOT REGRADE



I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by

LAND DEVELOPMENT CERTIFICATES

Signature.....

PETER ROBERT WARWICK
Registered Land Surveyor

VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 2026-7



1:200 (AT A1)
1:400 (AT A3)

METRES

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

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CLIENT:



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NEWPARK
PRECINCT 7, ROAD A102
ROAD CROSS SECTIONS
SHEET 1

PROJECT No:

9985-12

SHEET No:

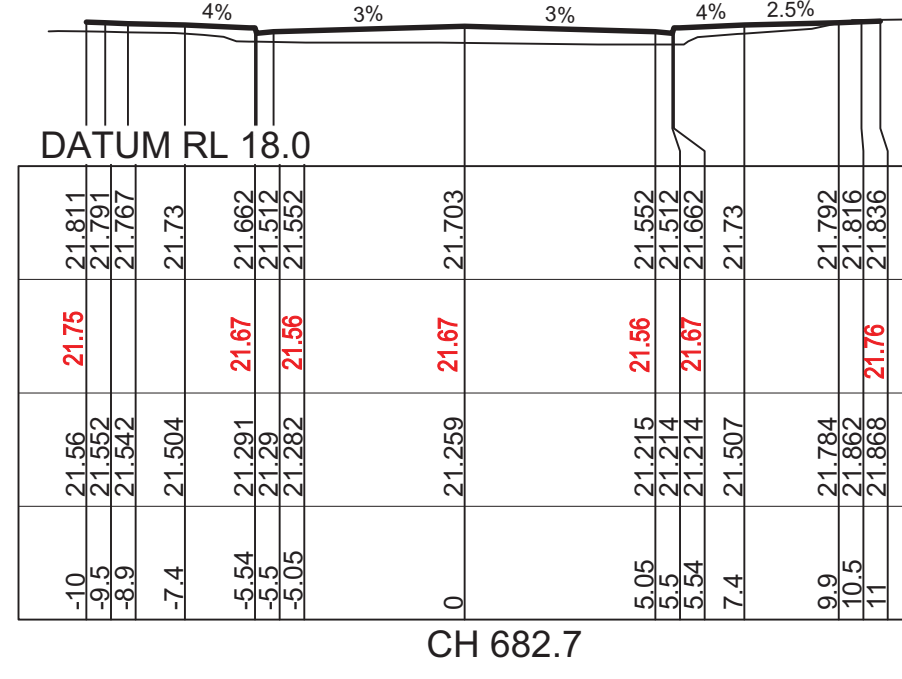
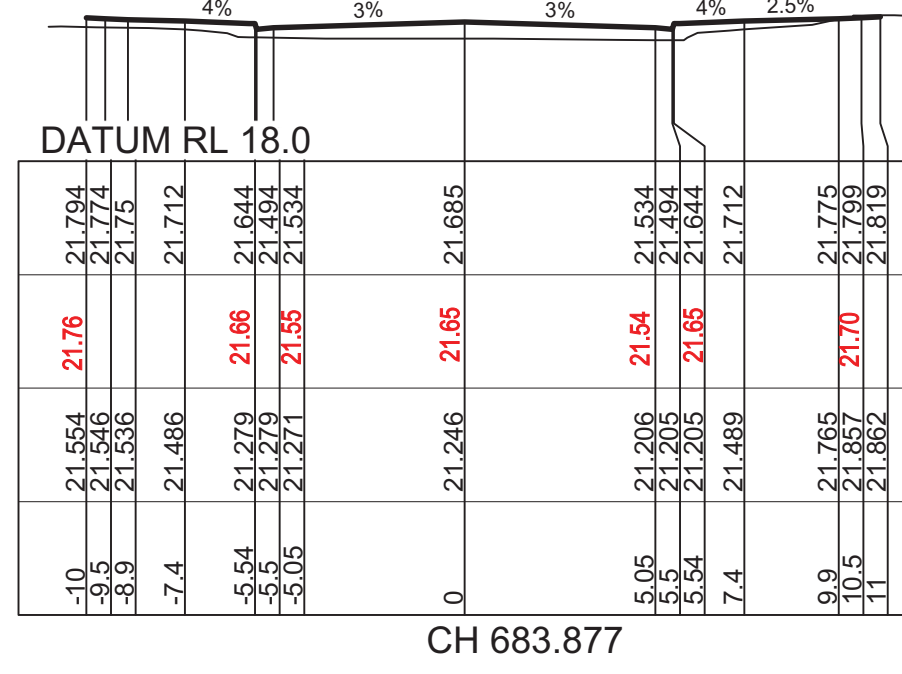
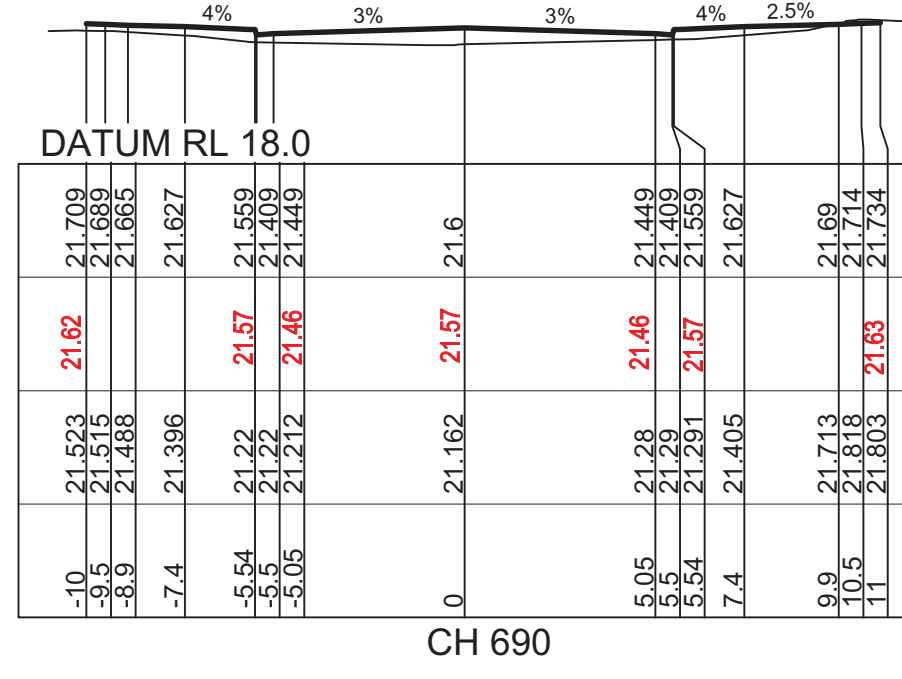
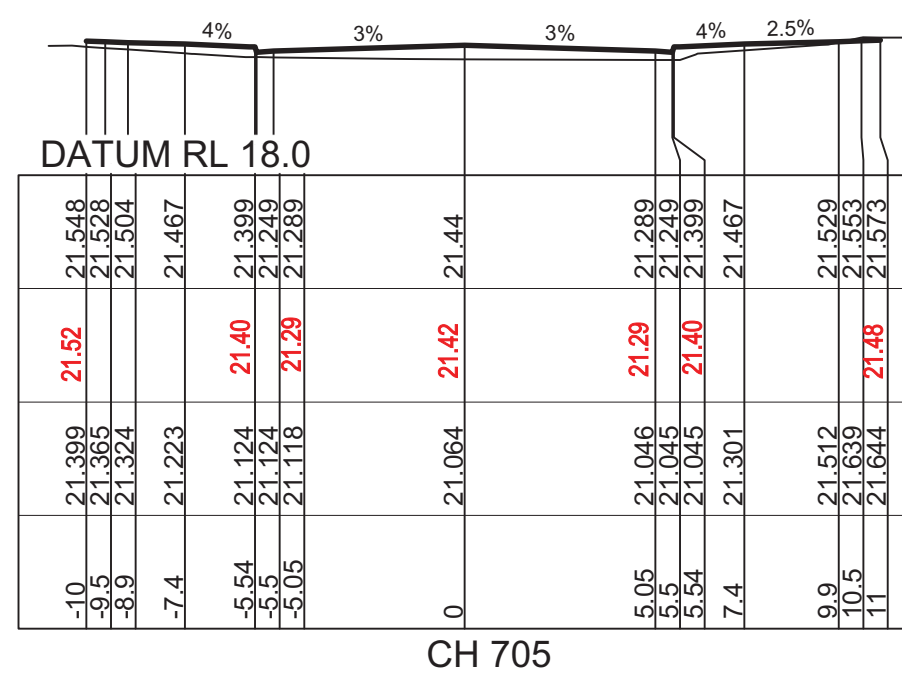
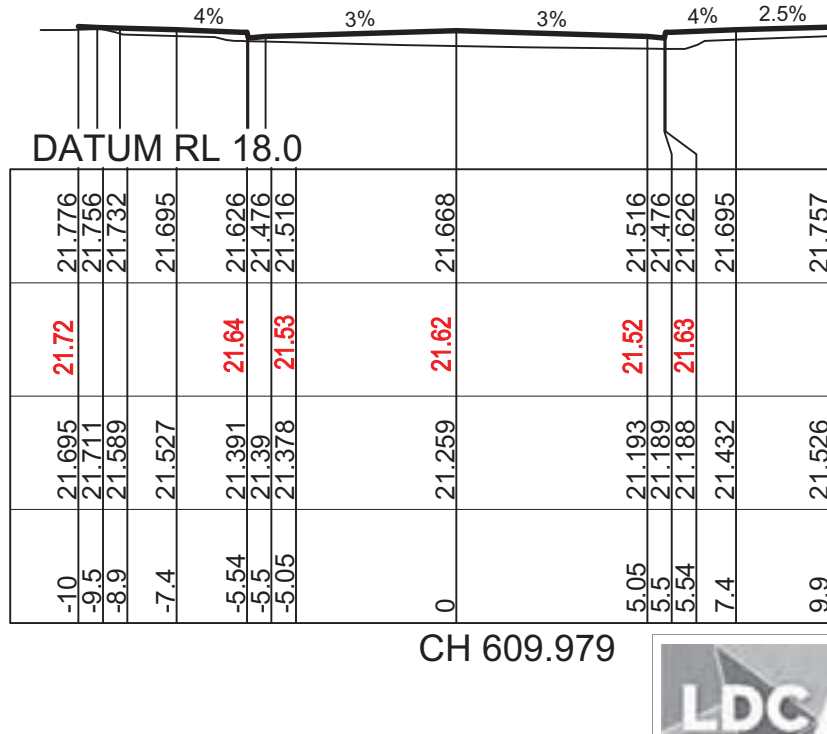
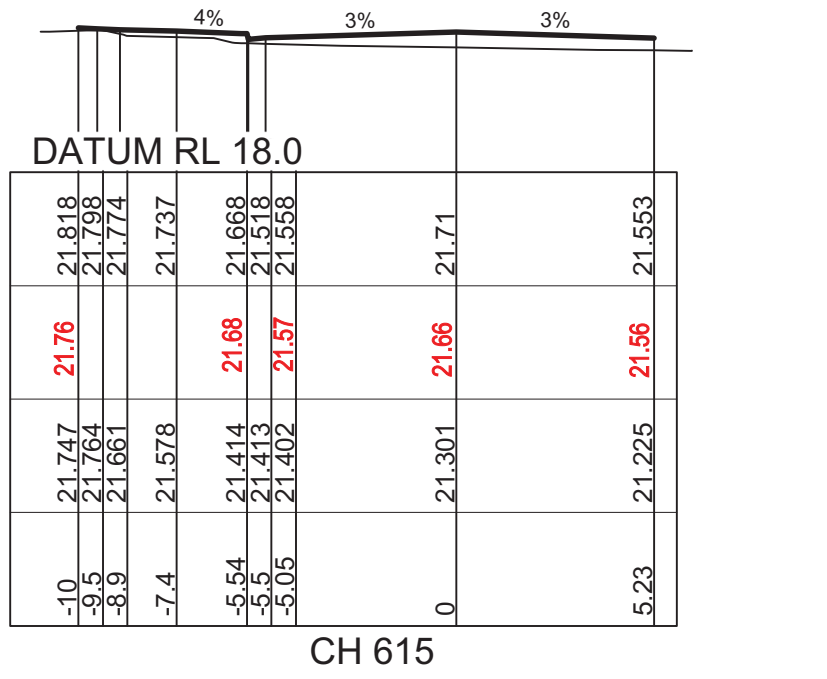
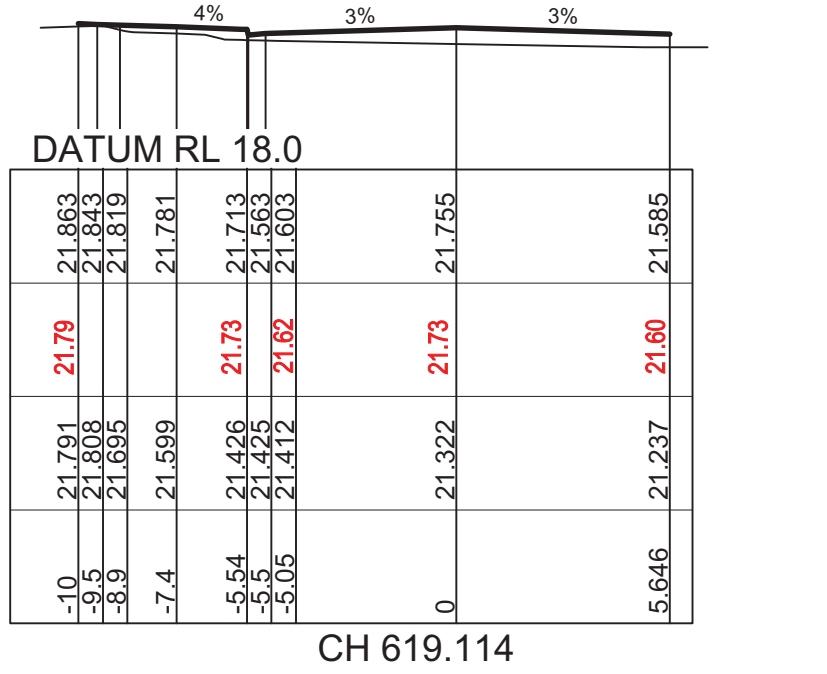
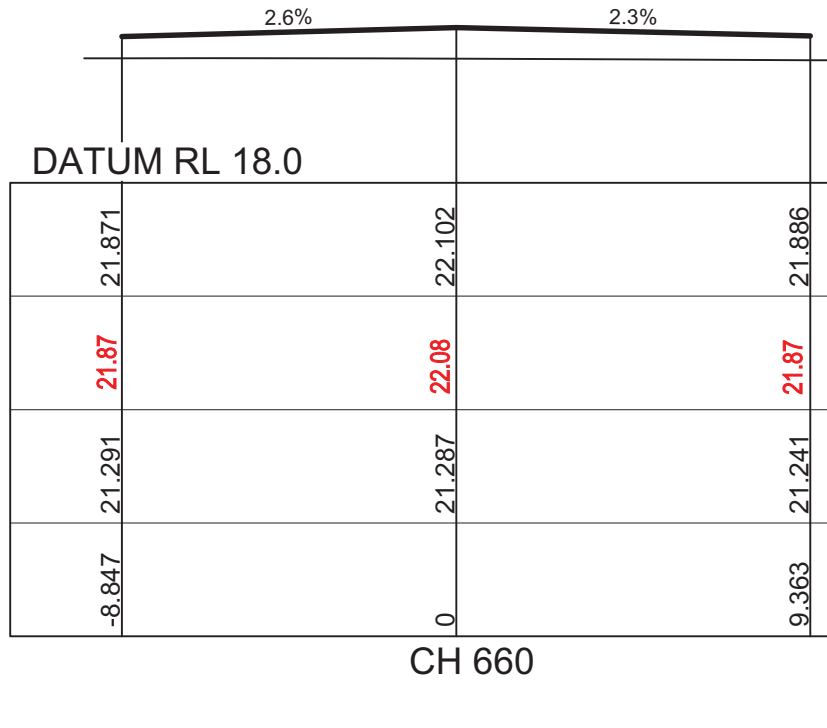
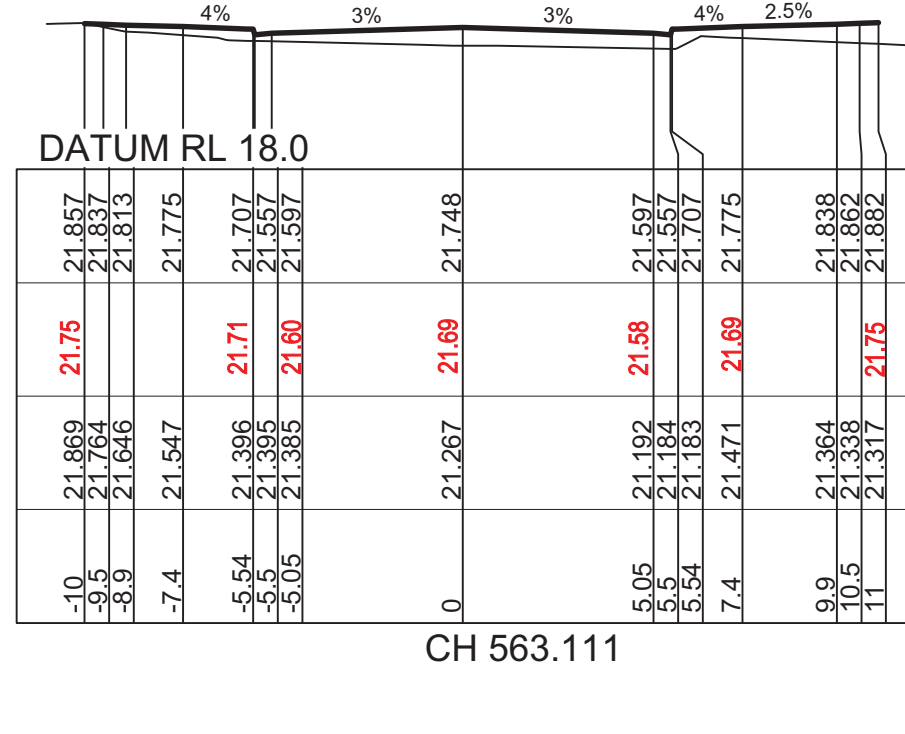
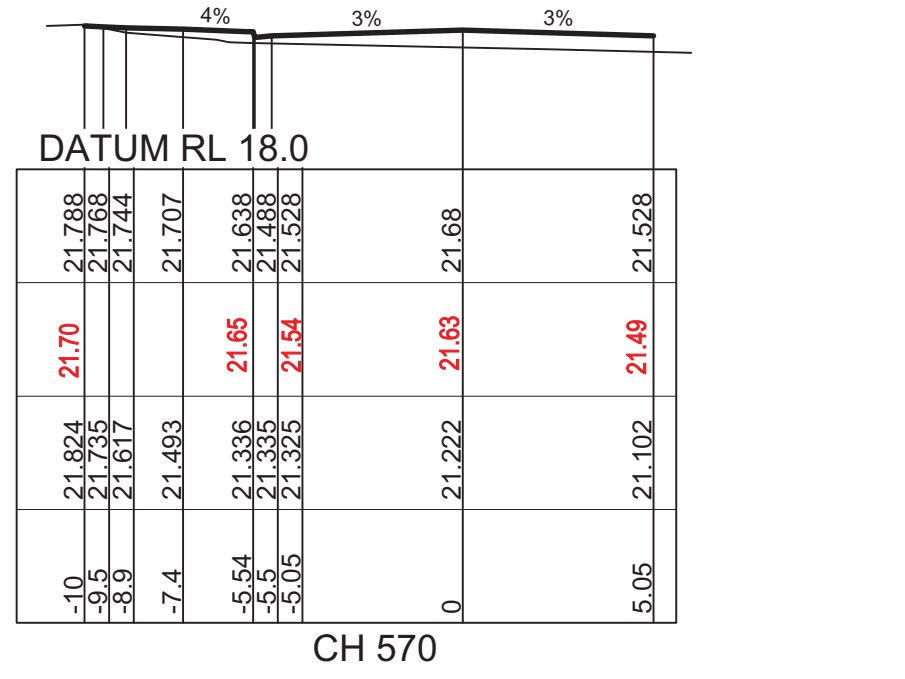
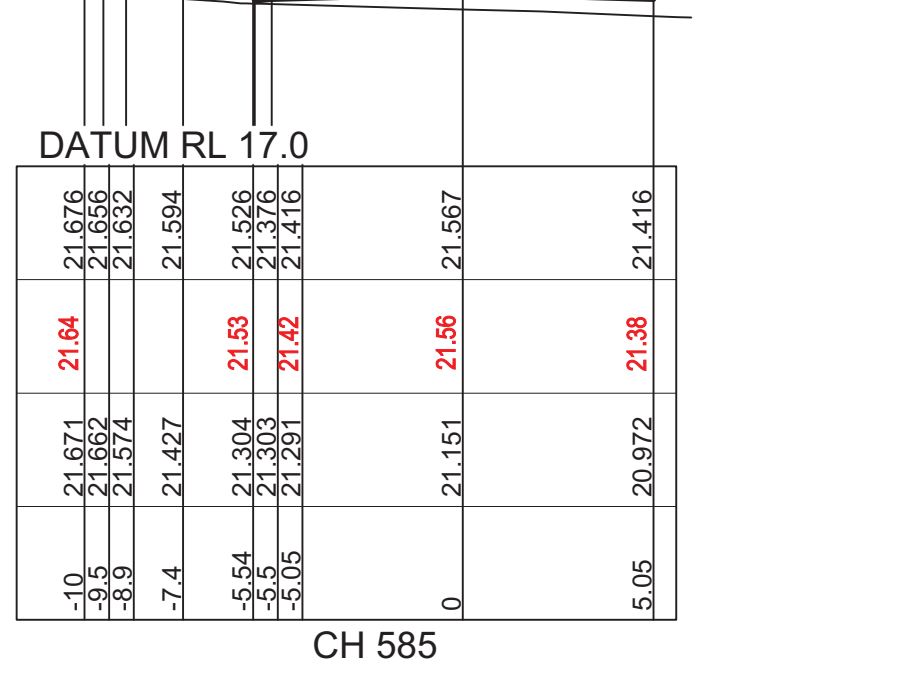
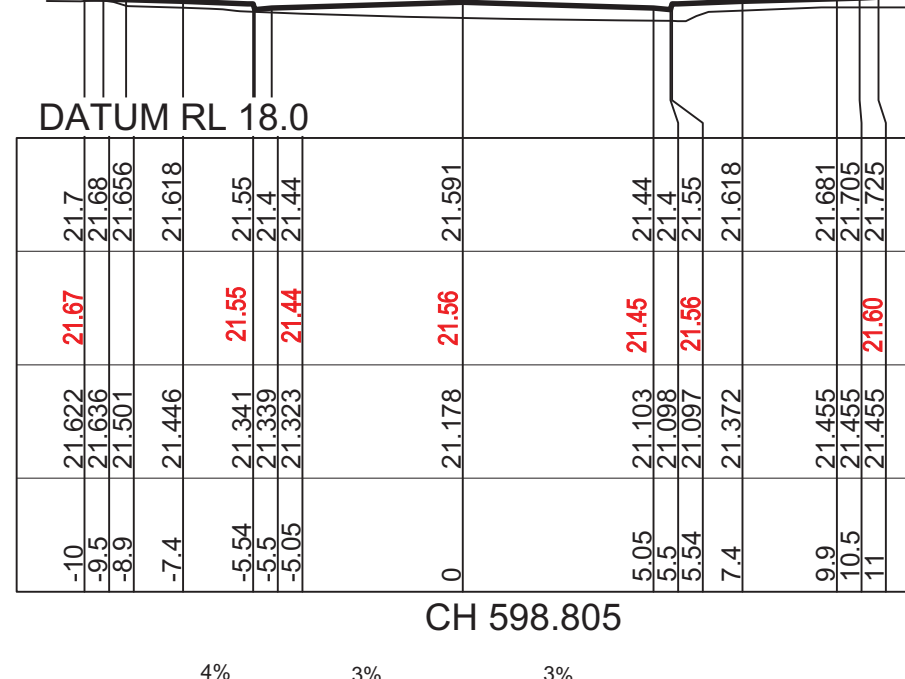
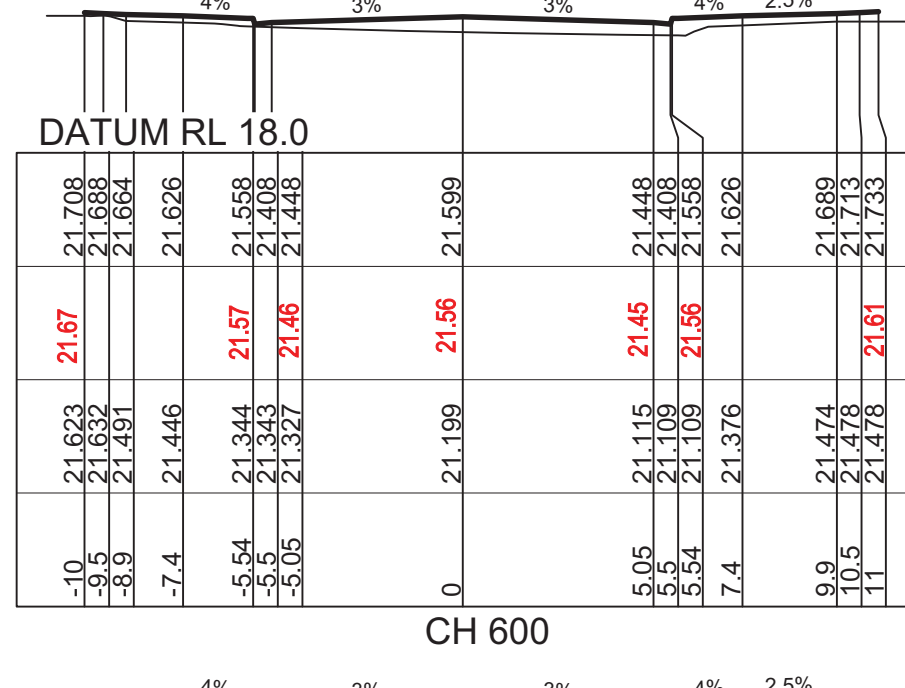
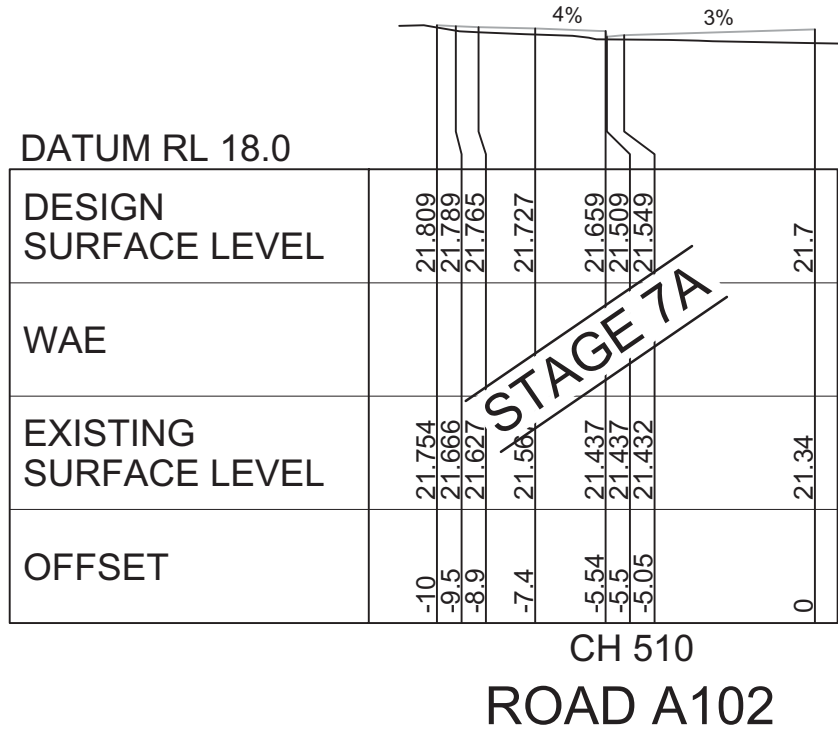
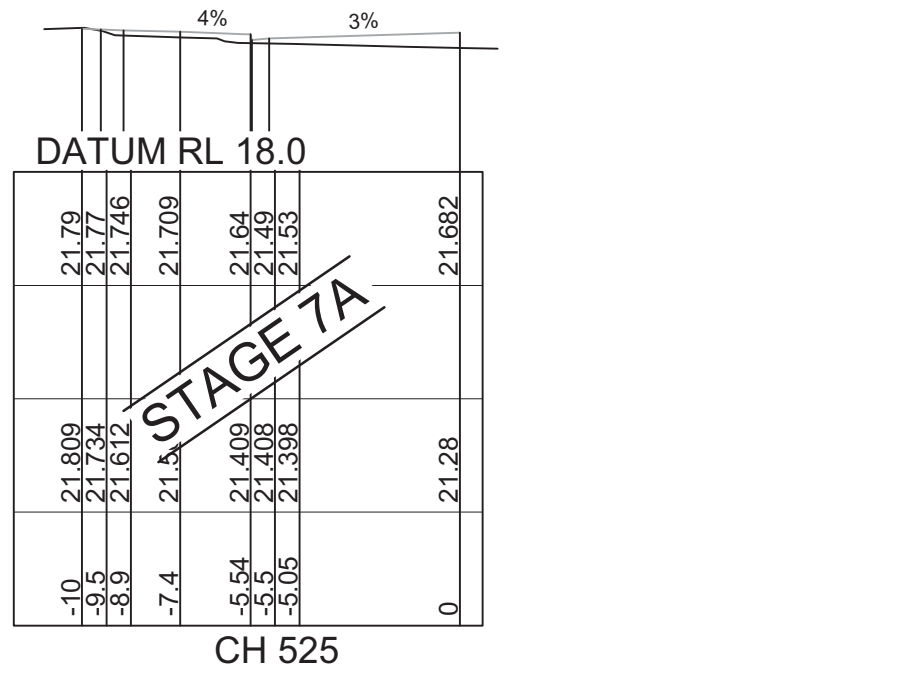
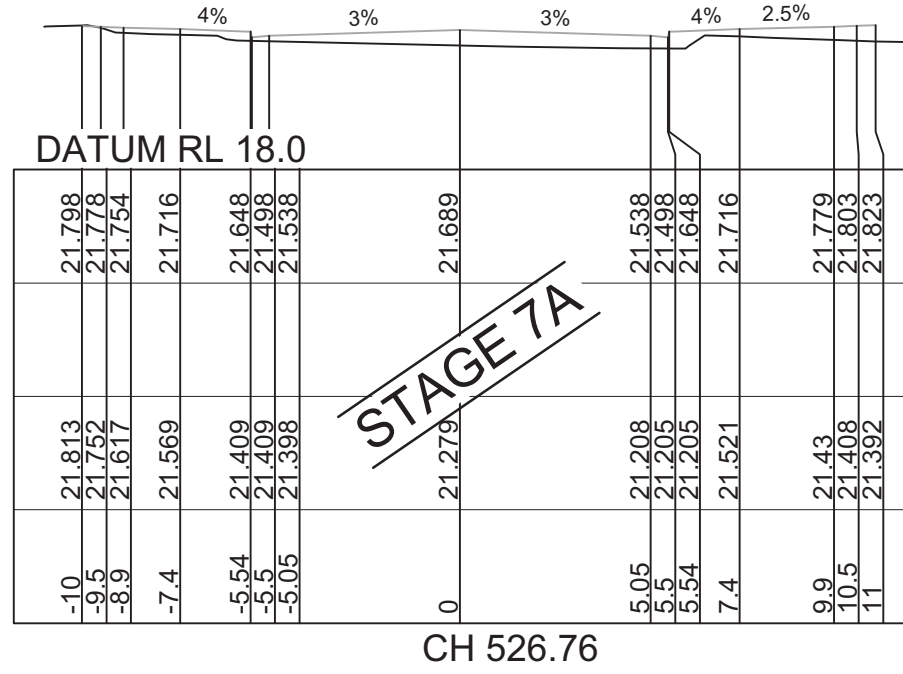
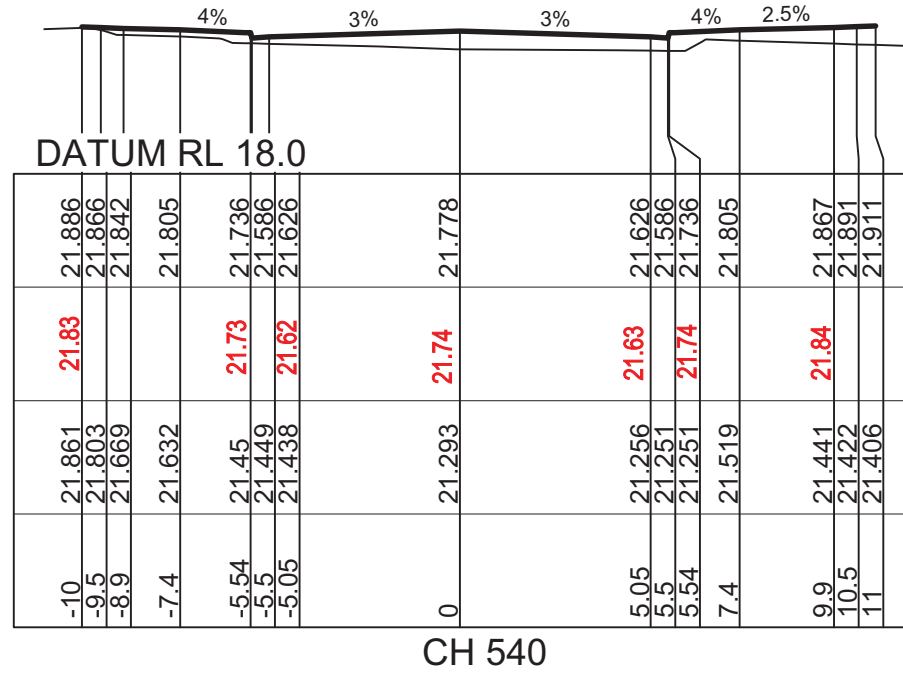
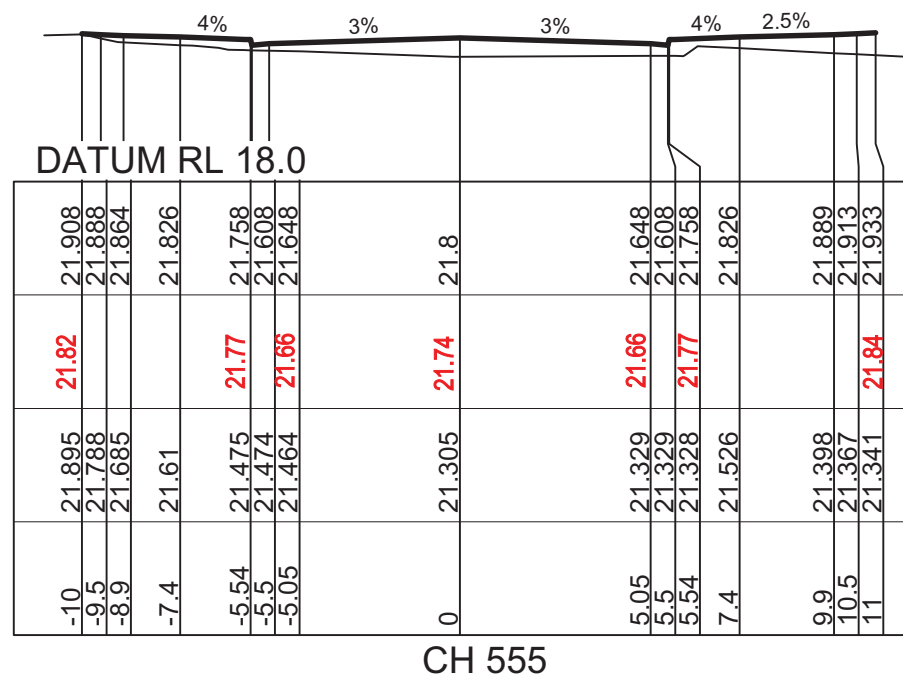
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PLAN No: 9985-12-CC22201

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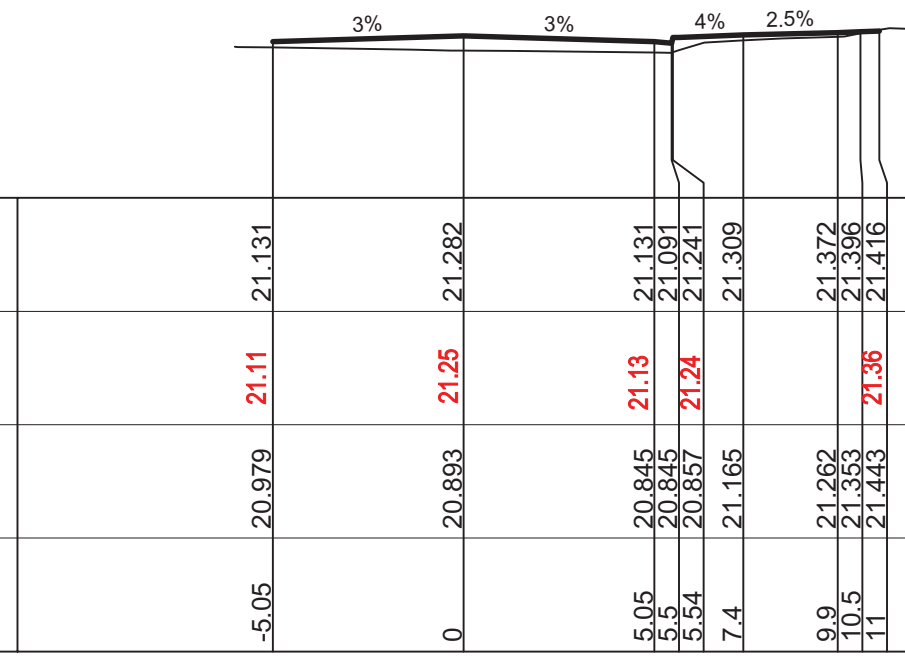
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REFER TO ENGINEERING
PLANS CC22011 TO CC22012
FOR LOT REGRADE

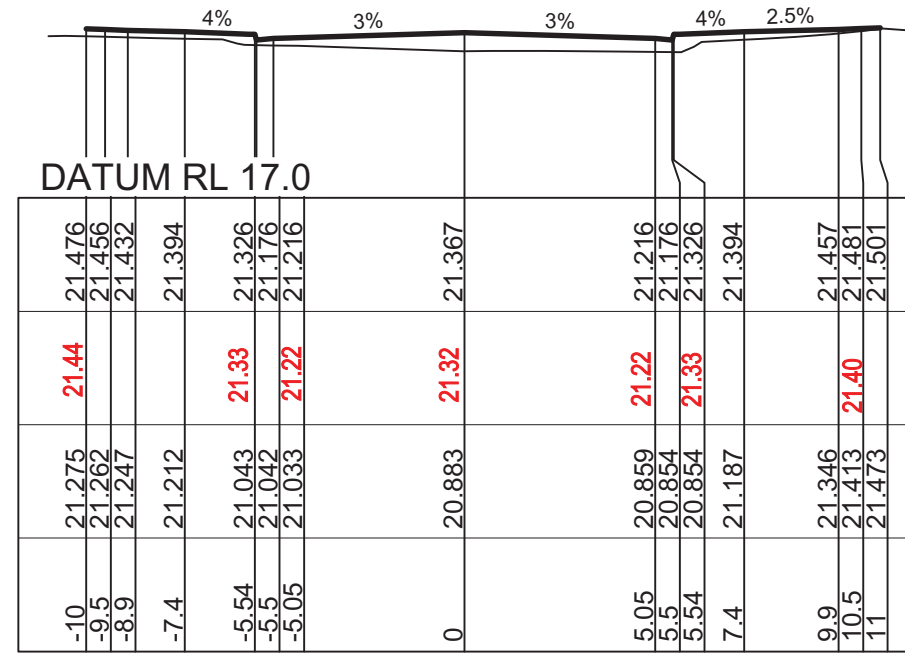
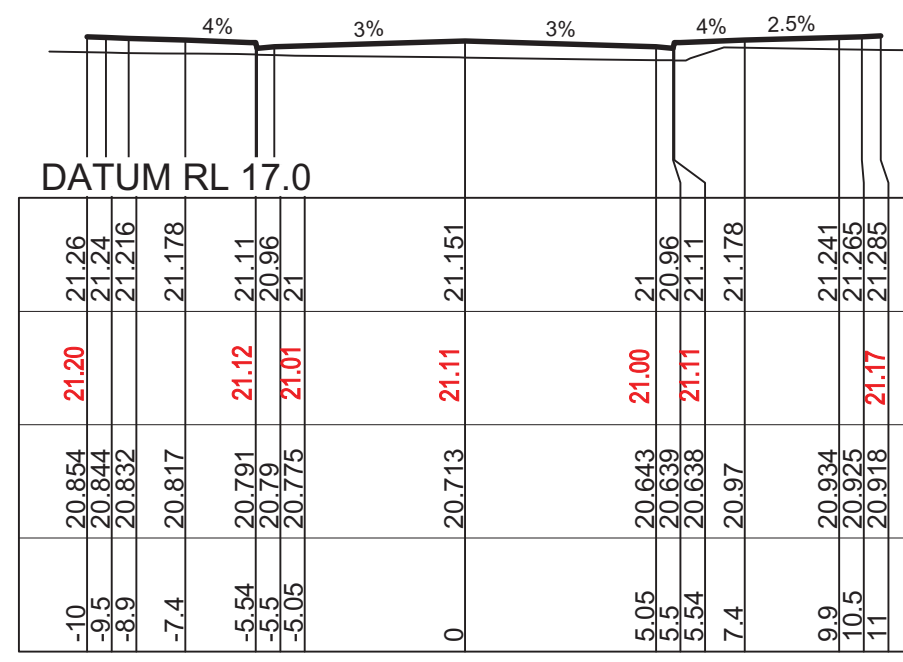
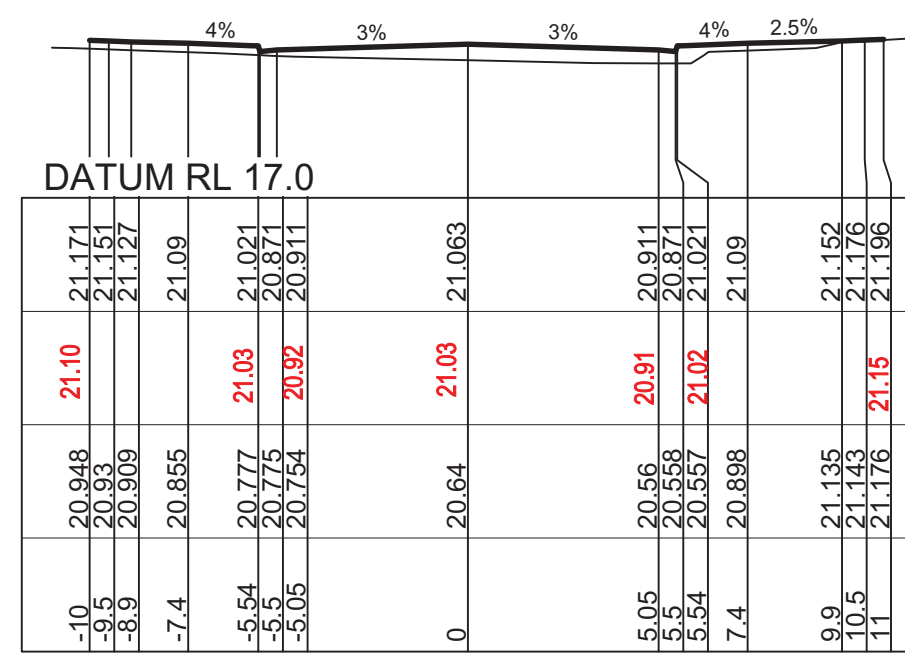
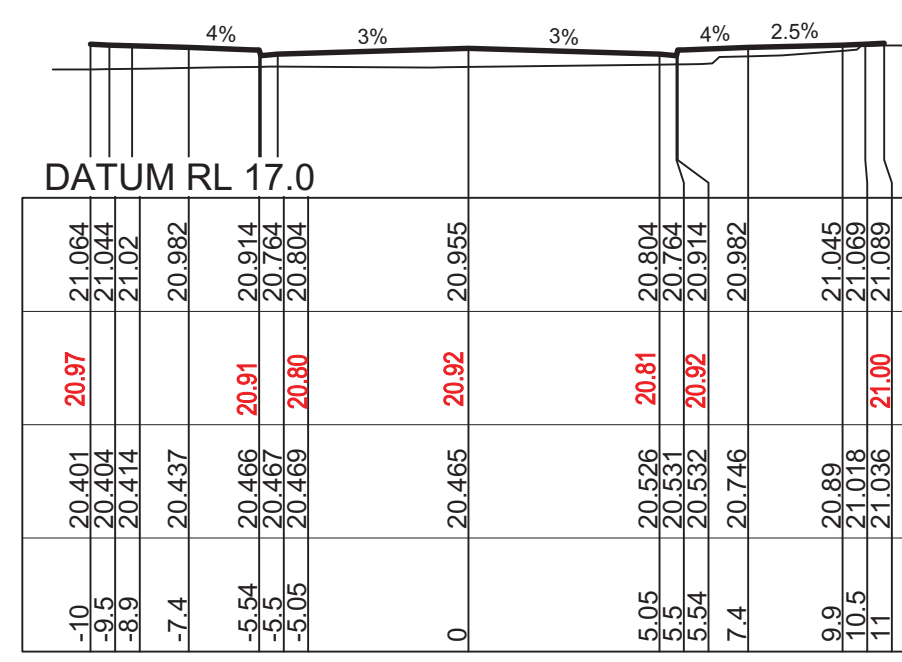


I hereby certify that engineering works shown on
 this plan have been constructed generally in
 accordance with Construction Certificate
 17799 issued by
LAND DEVELOPMENT CERTIFICATES

 Signature..... 
PETER ROBERT WARWICK
 Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
 DATE 30/10/2024 REF 20260-7



CH 780
ROAD A102

CH 825CH 871.848CH 945CH 999.584

A

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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PROPERTY
GROUP

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AZIMUTH: M.G.A.94

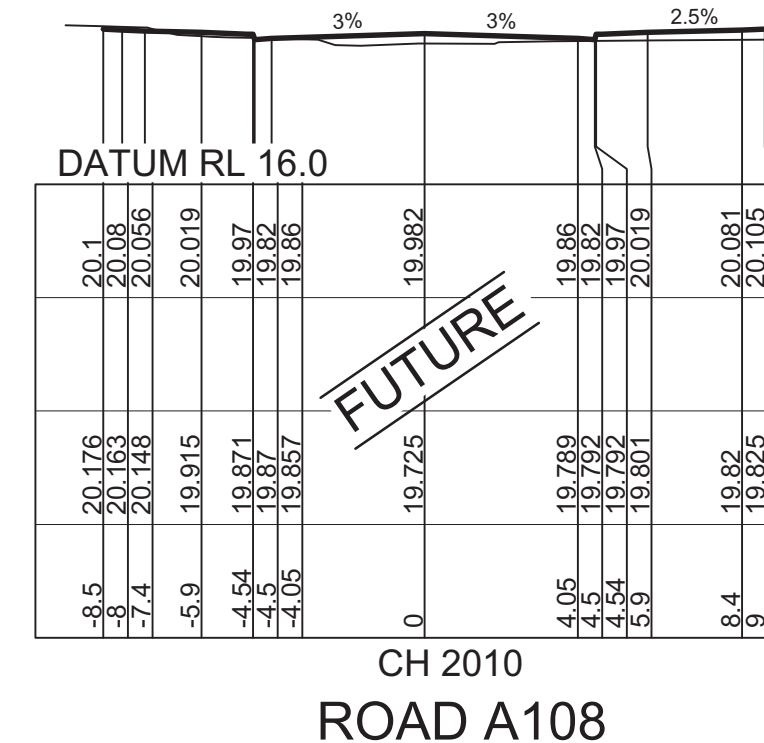
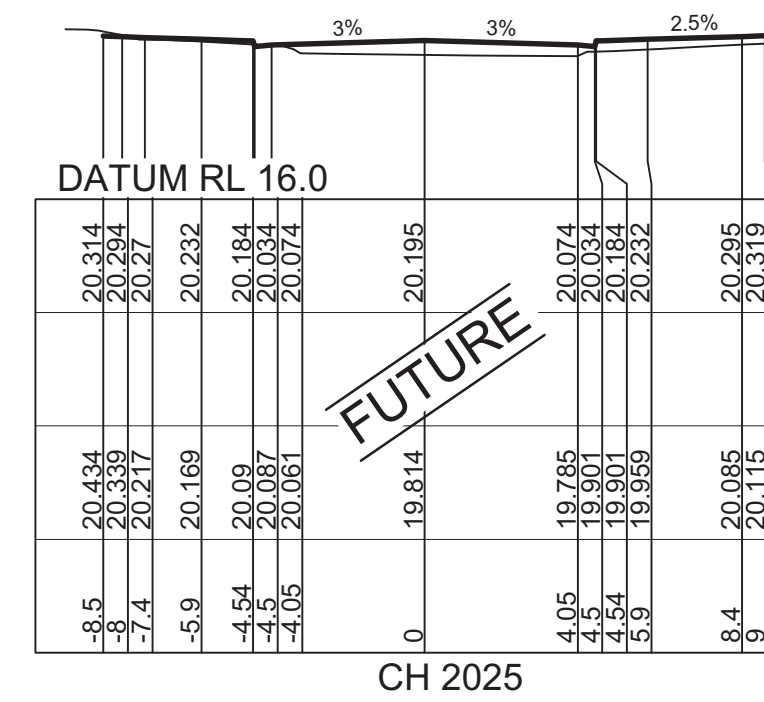
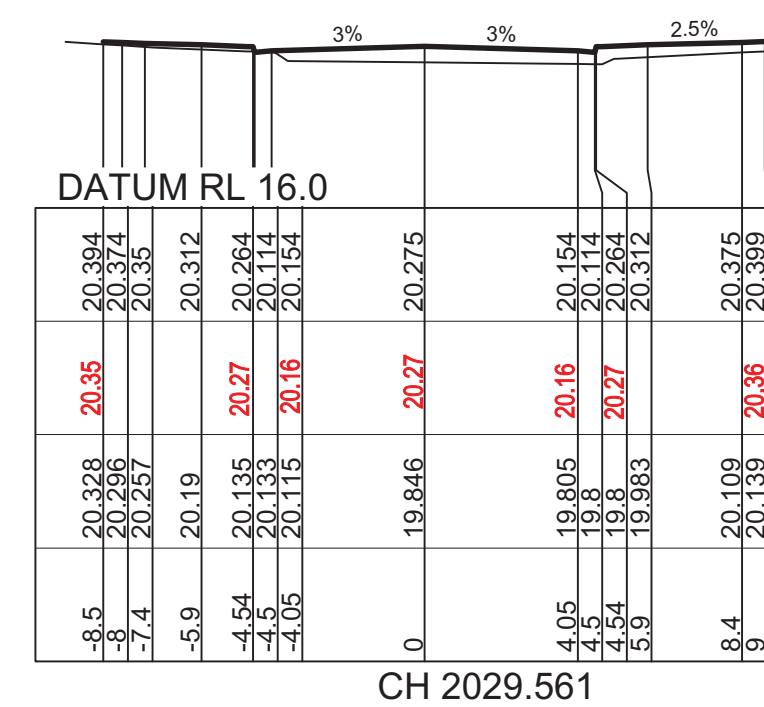
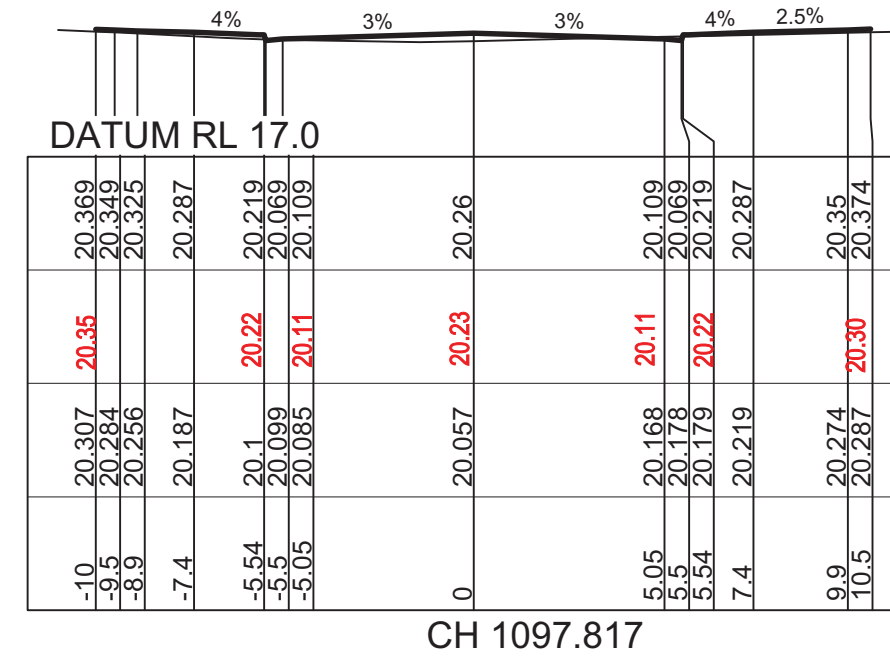
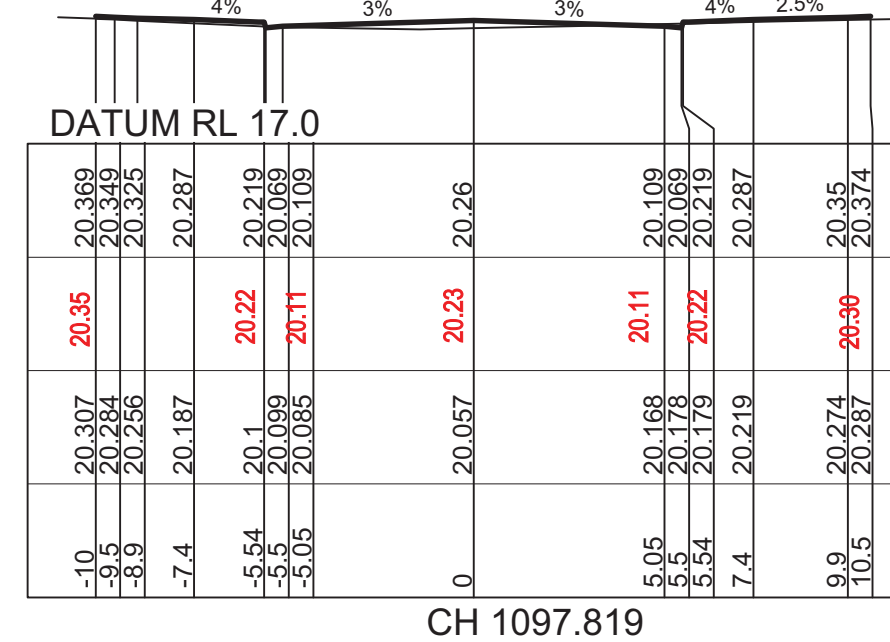
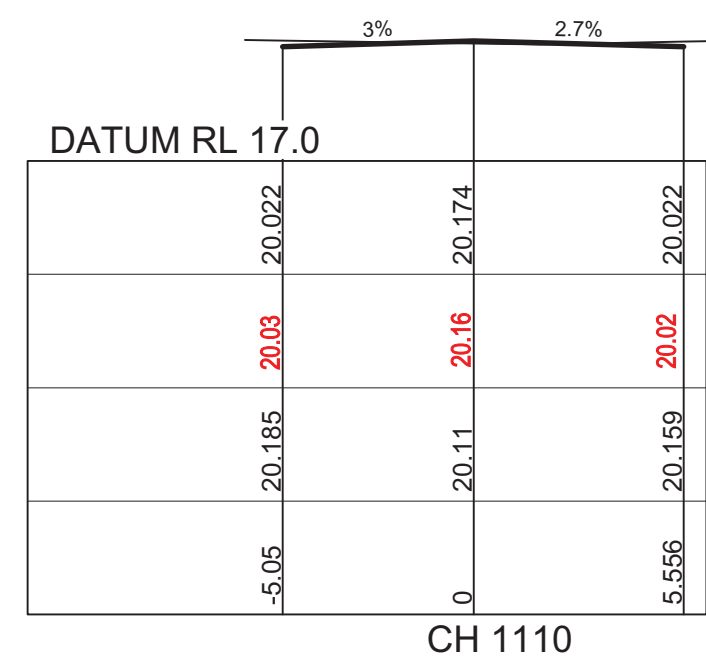
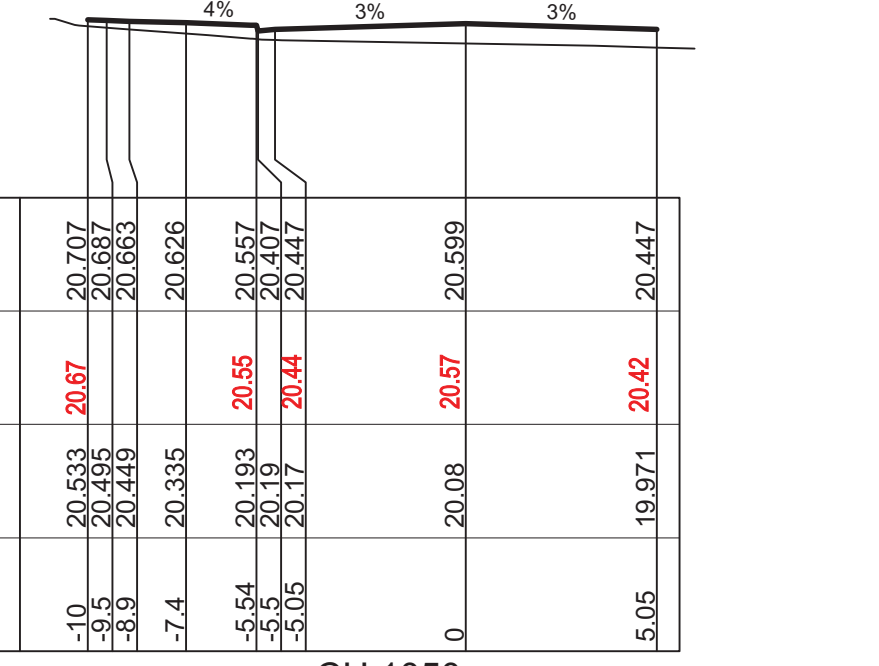
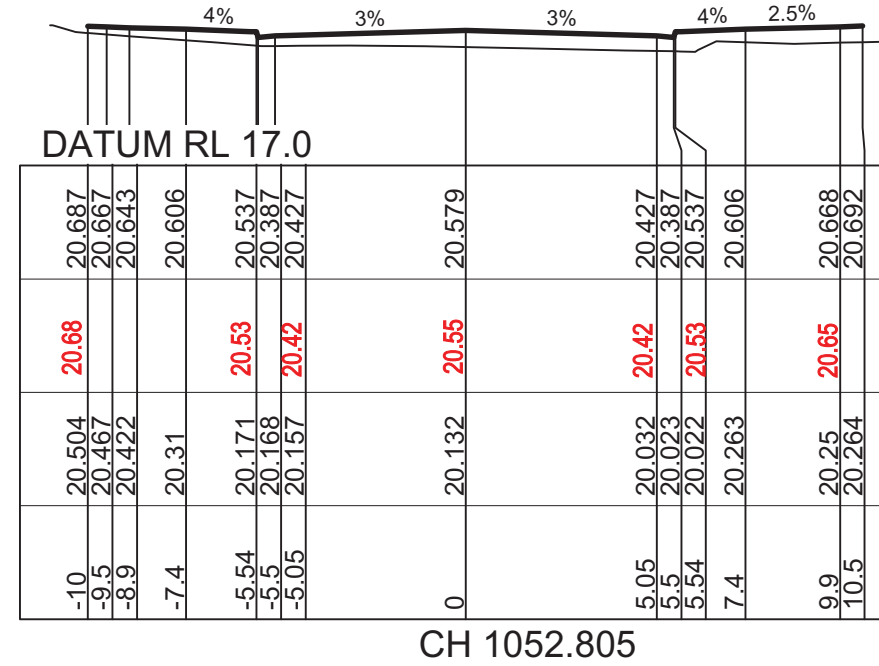
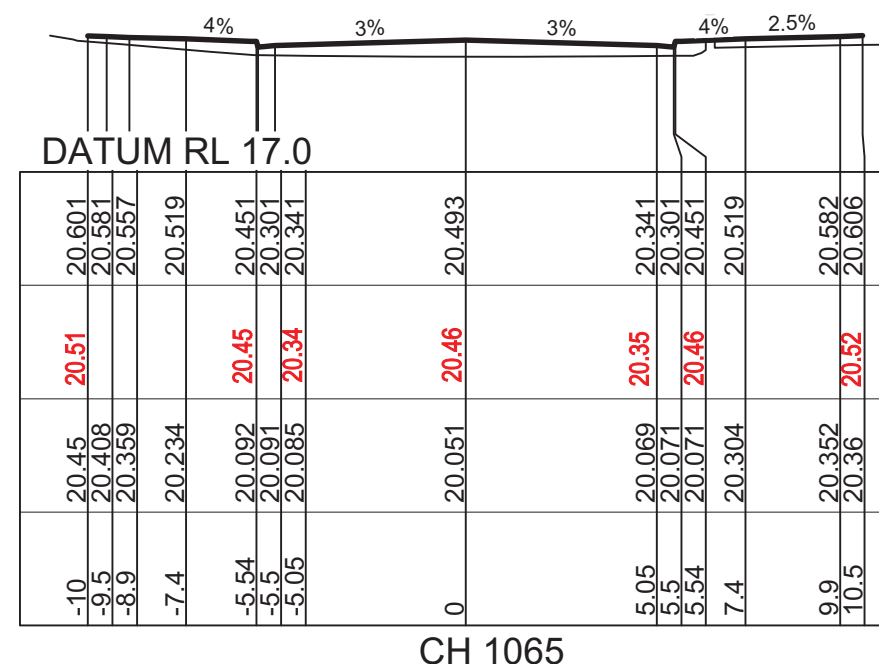
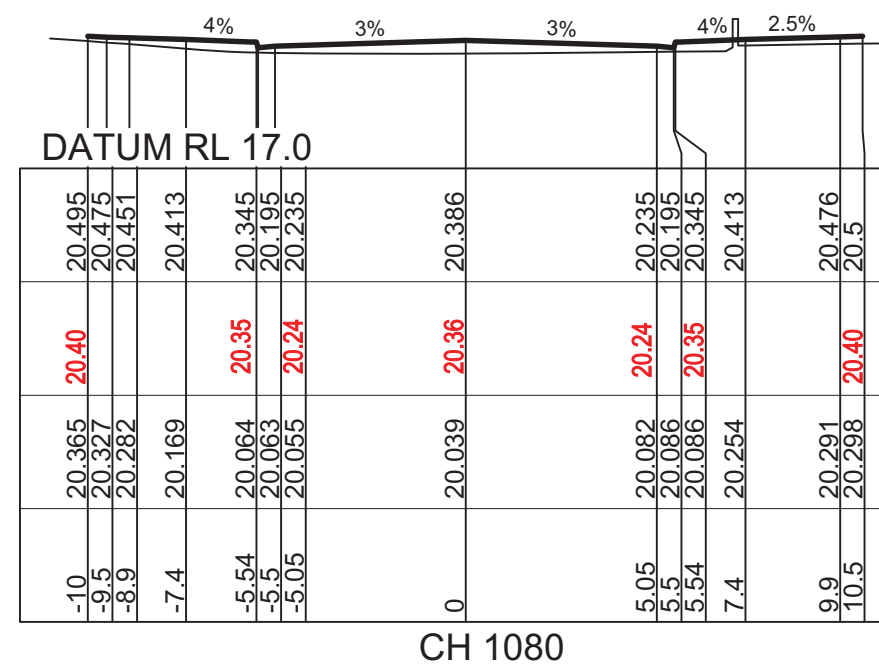
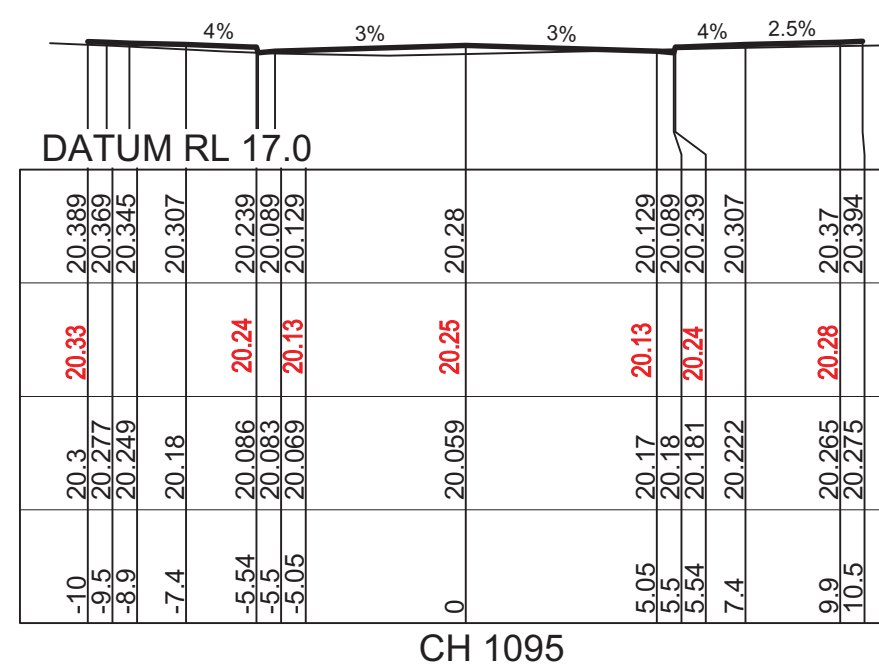
DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 9985-12-CC22203

A

REFER TO ENGINEERING
PLANS CC22011 TO CC22012
FOR LOT REGRADE

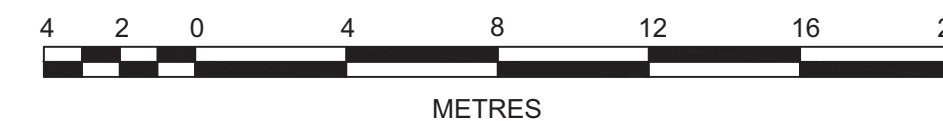


I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
NCE MORGAN SURVEYORS PTY
TE 30/10/2024 REF



1:200 (AT A1)
1:400 (AT A3)



DATUM RL 16.0				
DESIGN SURFACE LEVEL		20.707	20.687	20.663
WAE		20.67	20.65	20.64
EXISTING SURFACE LEVEL		20.533	20.495	20.449
OFFSET		-10.5	-9.5	-8.9
		-7.4	-5.4	-5.6
		-5.5	-5.0	-5.0
	0	20.08	20.08	20.08
		20.599	20.599	20.599
		20.447	20.447	20.447

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	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:

STATUS: ISSUE FOR CONSTRUCTION APPROVAL

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NEWPARK
PRECINCT 7, ROAD A102
ROAD CROSS SECTIONS
SHEET 4

PROJECT No:

9985-12

SHEET No:

CC22204

AZIMUTH: M.G.A.94

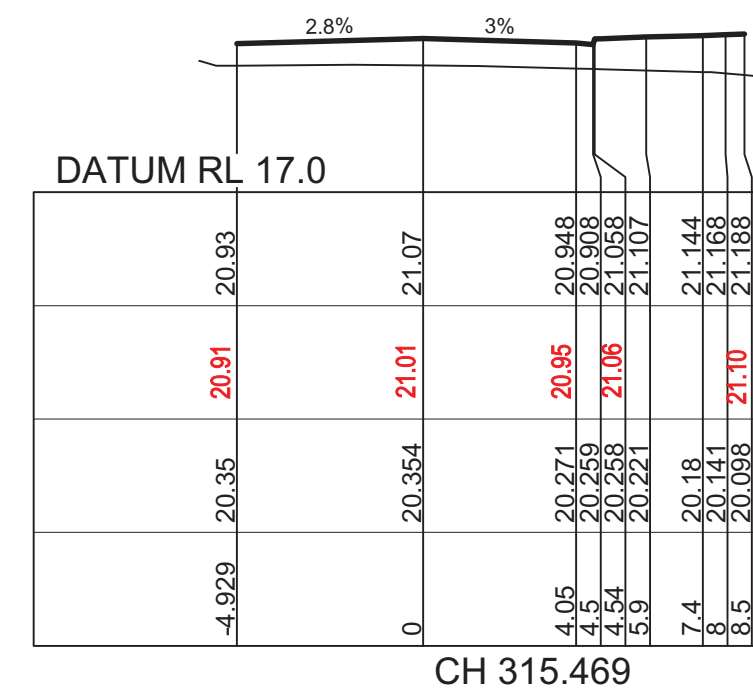
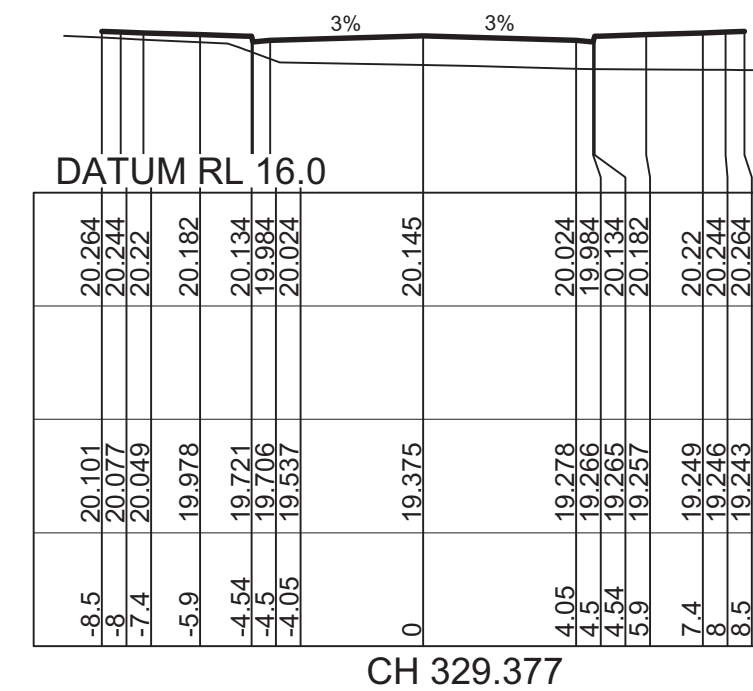
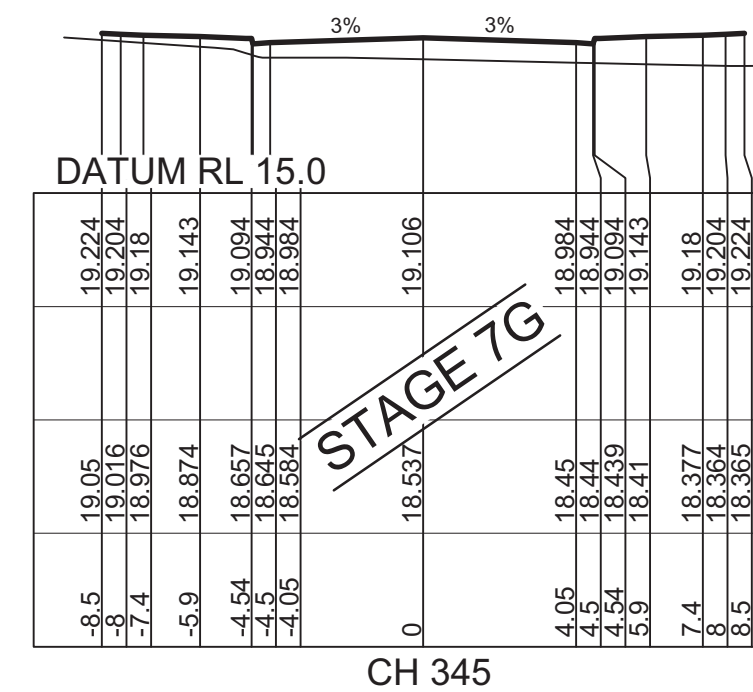
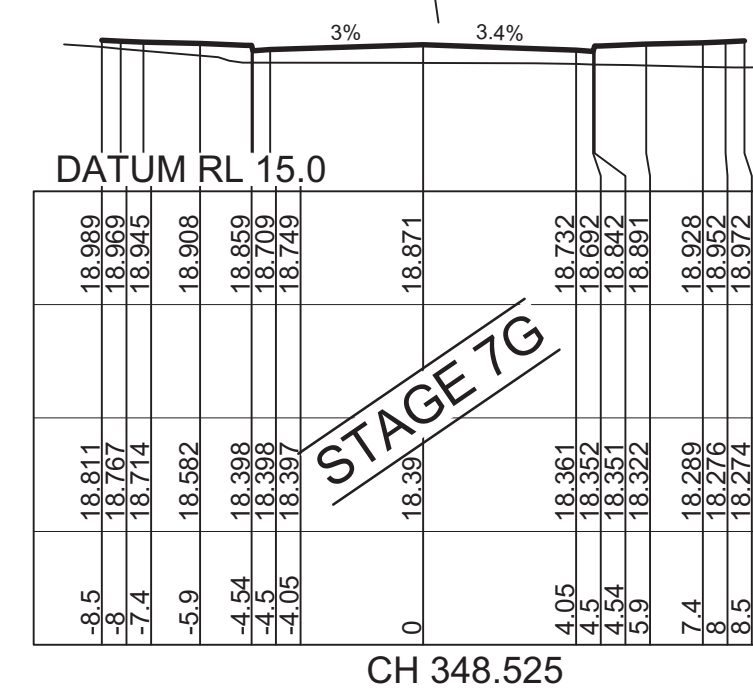
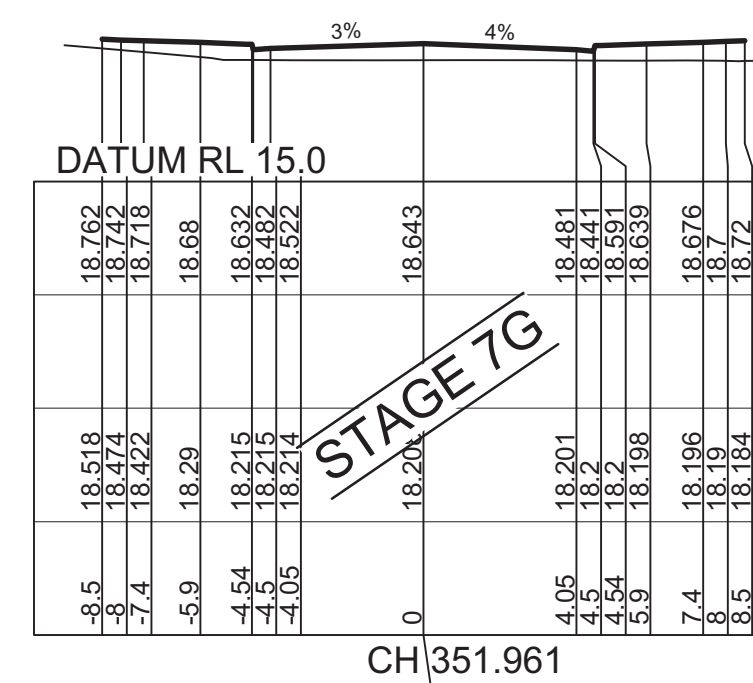
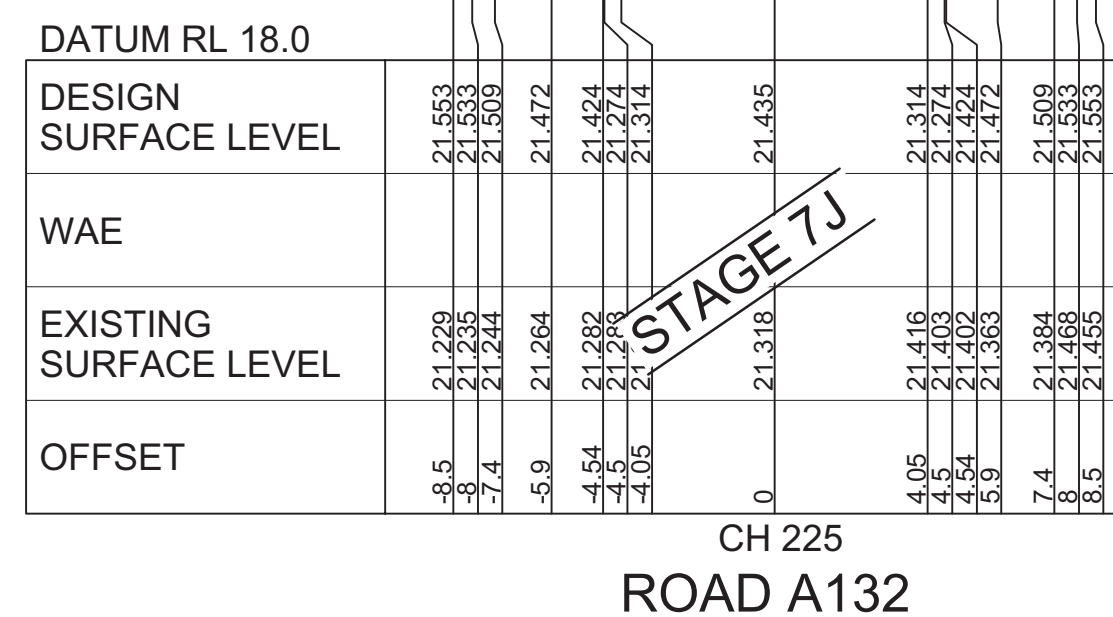
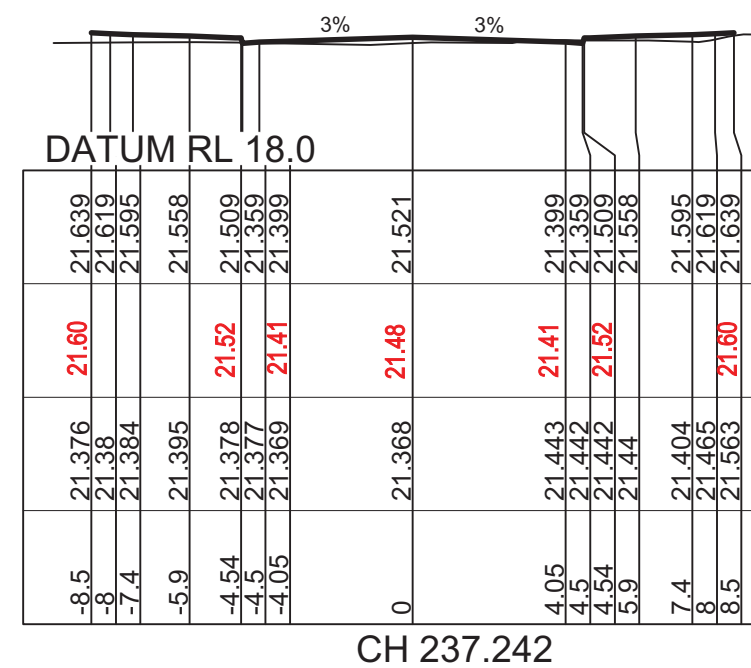
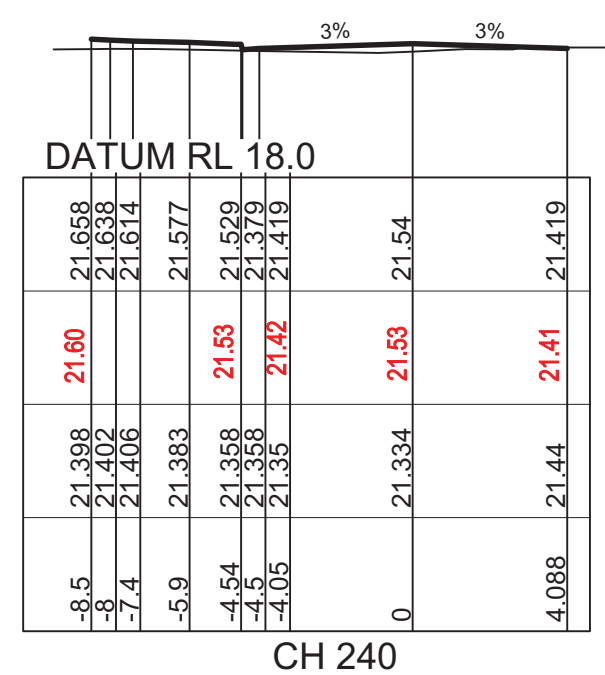
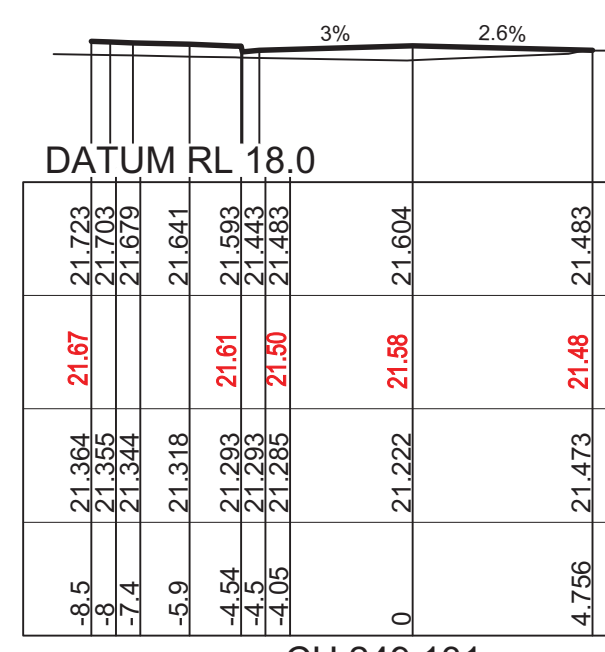
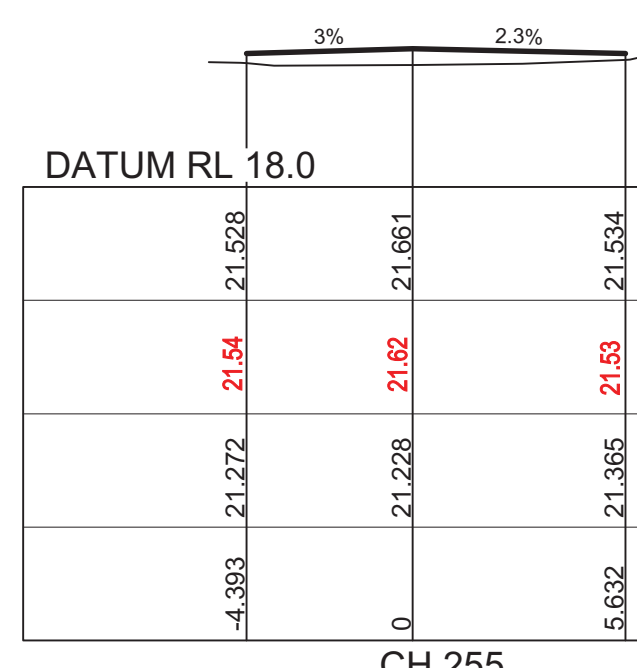
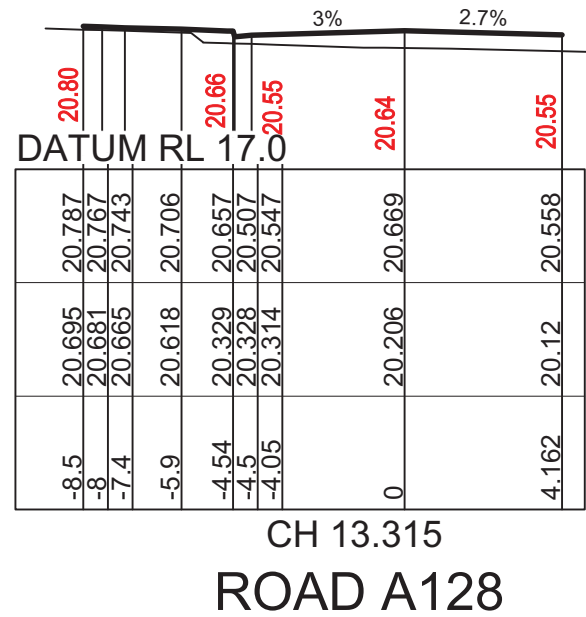
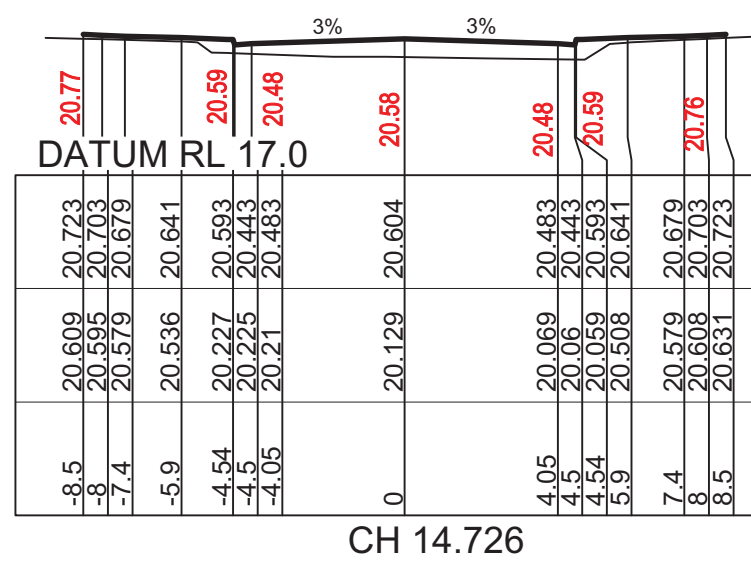
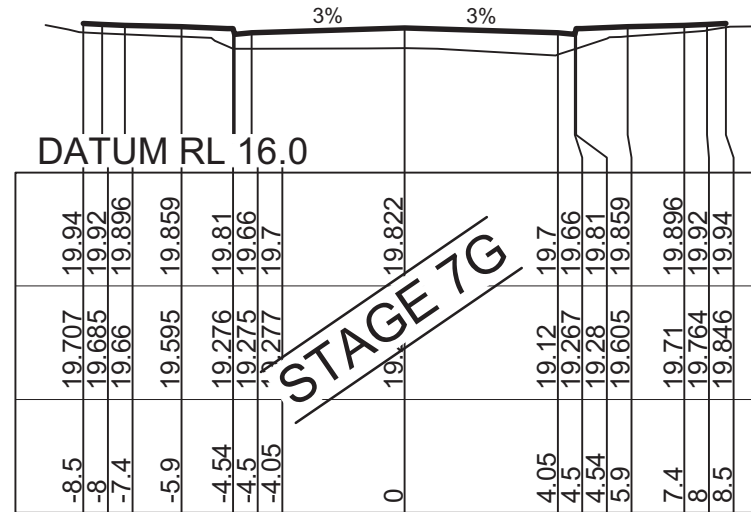
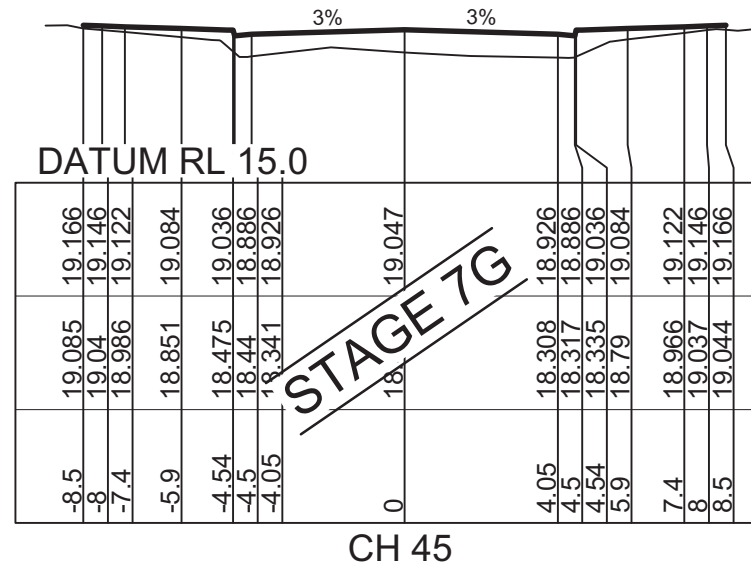
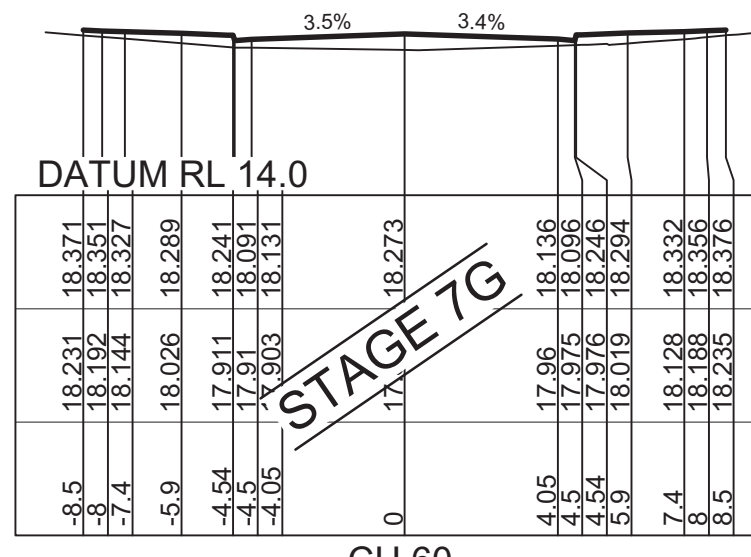
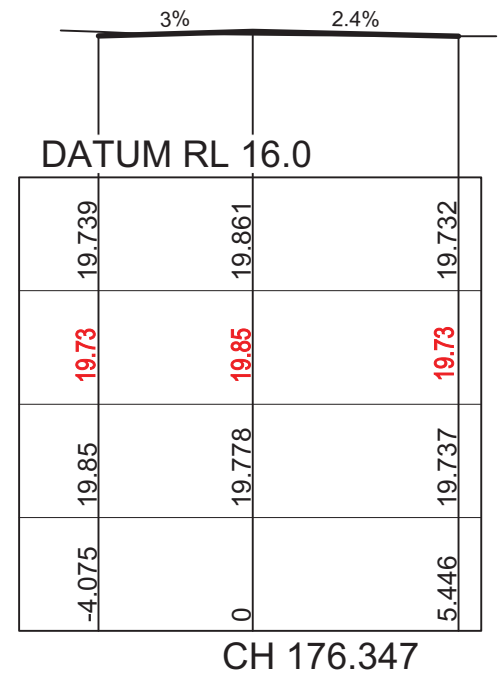
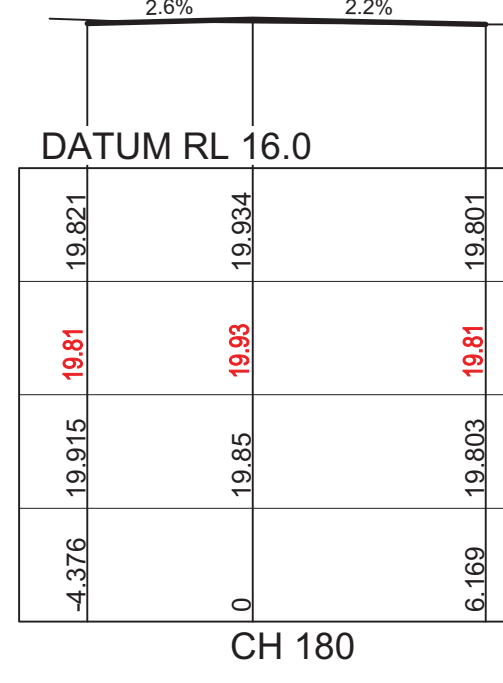
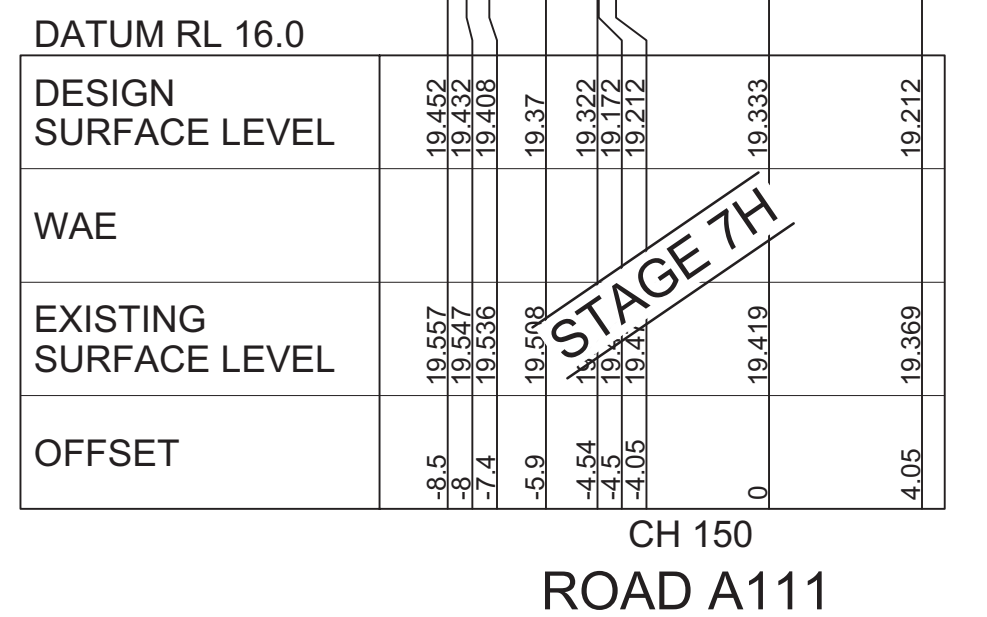
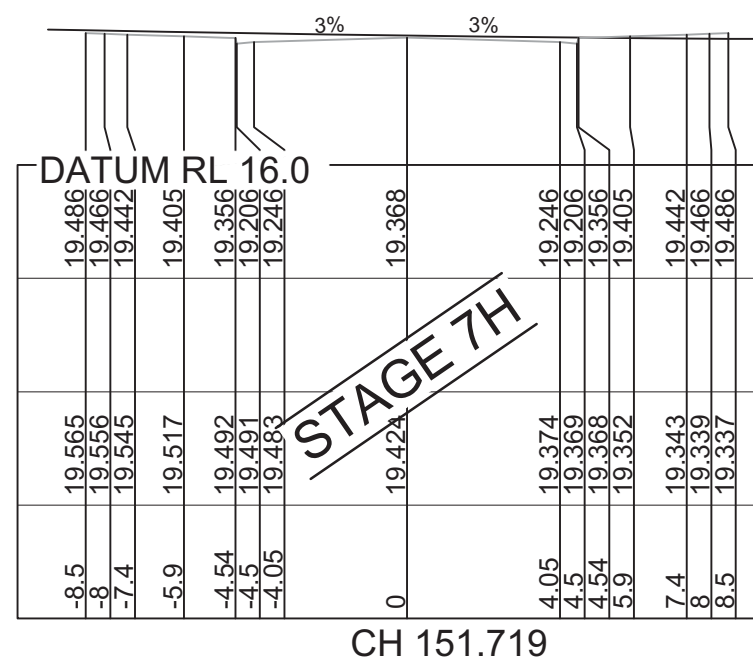
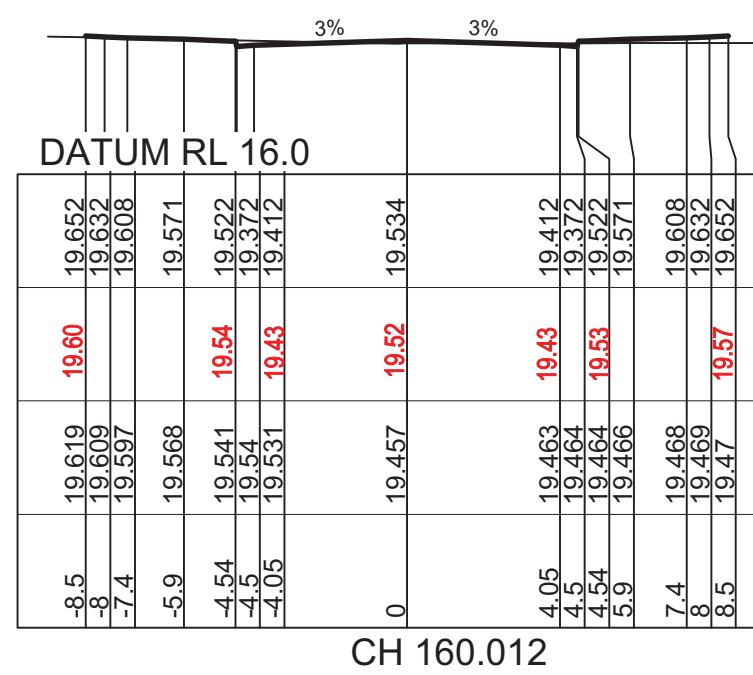
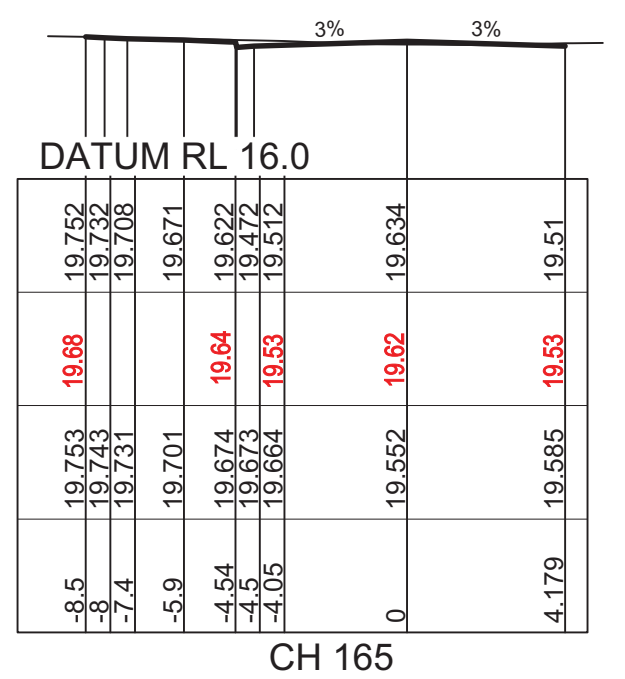
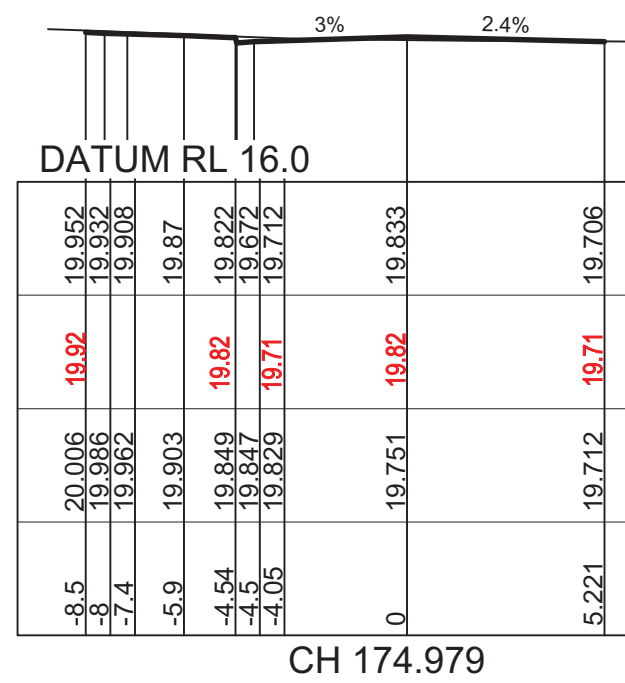
DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No:

9985-12-CC22204

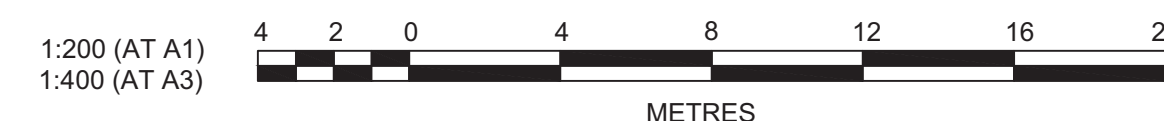
A



REFER TO ENGINEERING
PLANS CC22011 TO CC22012
FOR LOT REGRADE

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
NCE MORGAN SURVEYORS PTY LTD
30/10/2024 REF



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	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.iwprince.com.au E iwp@iwprince.com.au

CLIENT:



STATUS:

ISSUE FOR CONSTRUCTION APPROVAL

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NEWPARK
PRECINCT 7, ROAD A102
ROAD CROSS SECTIONS
SHEET 5

PROJECT No.

9985-12

SHEET No:

CC22205

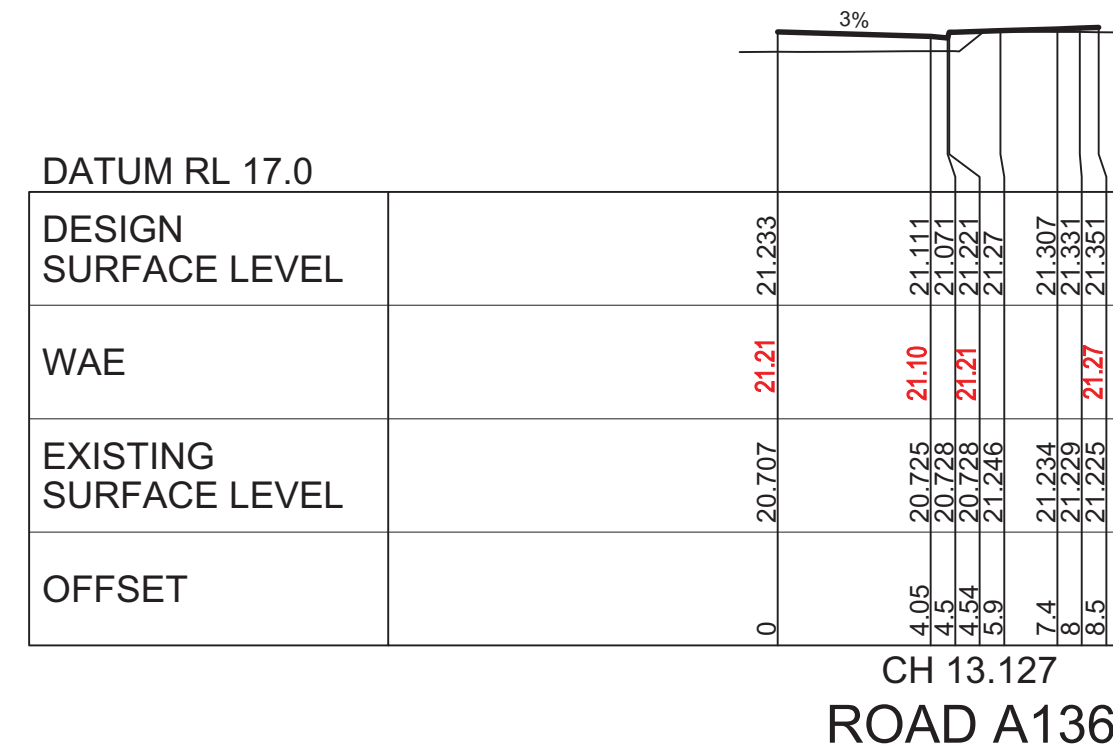
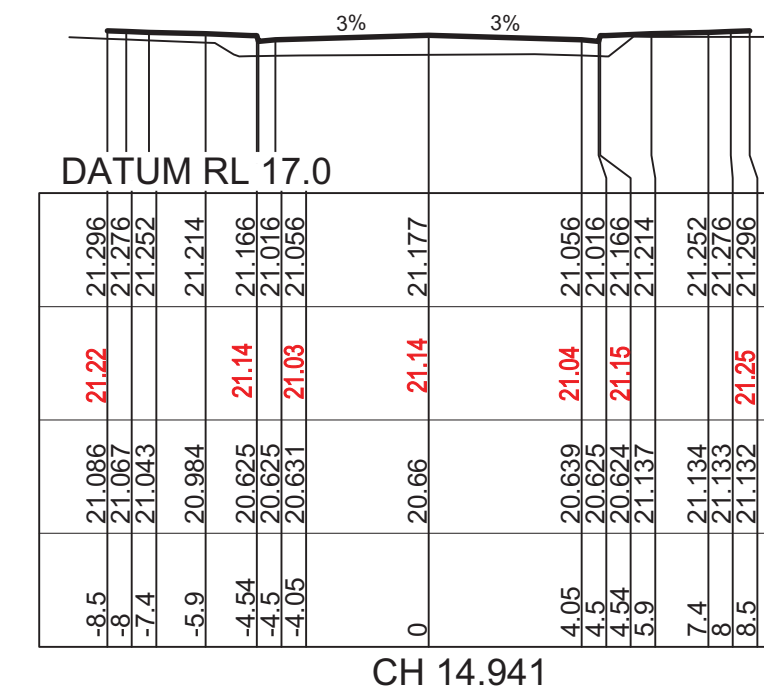
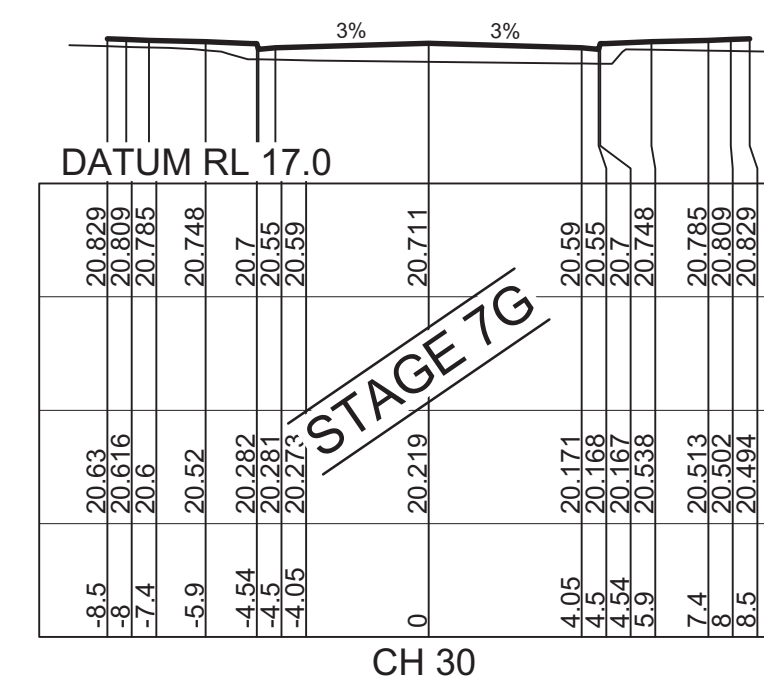
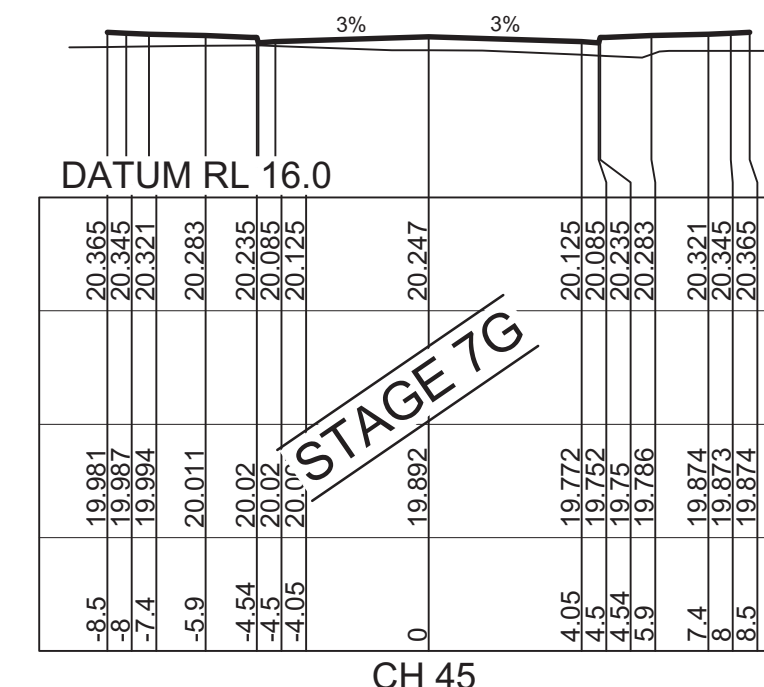
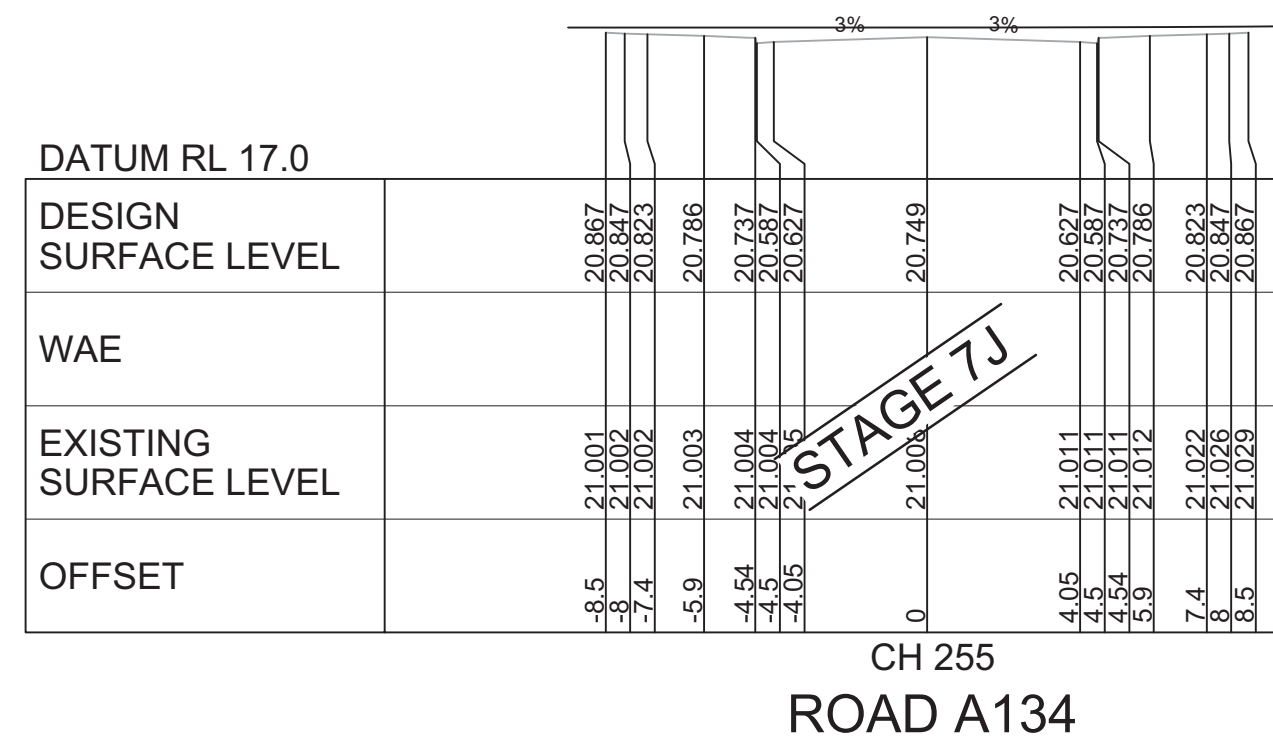
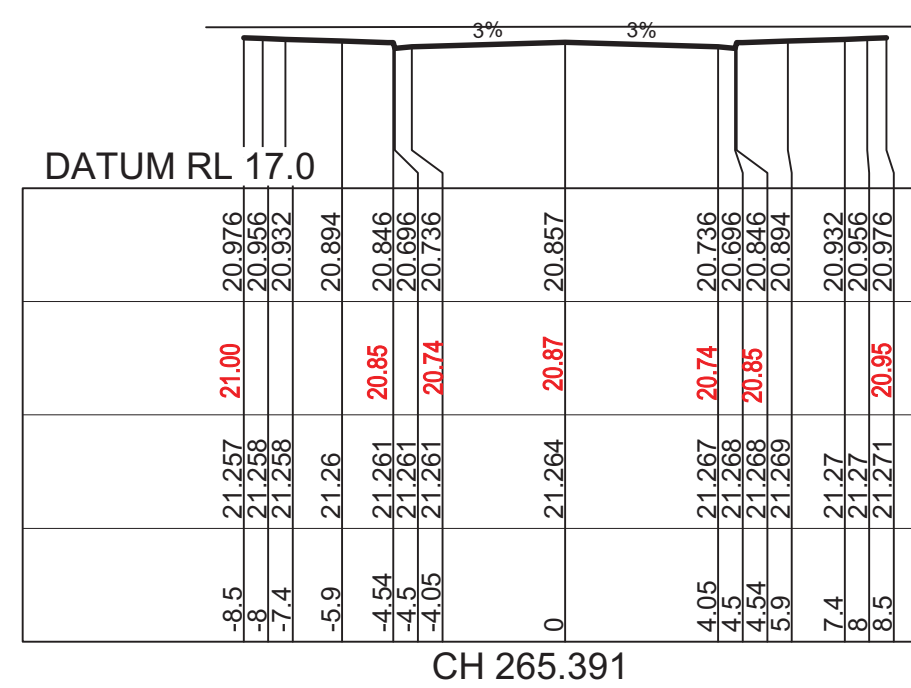
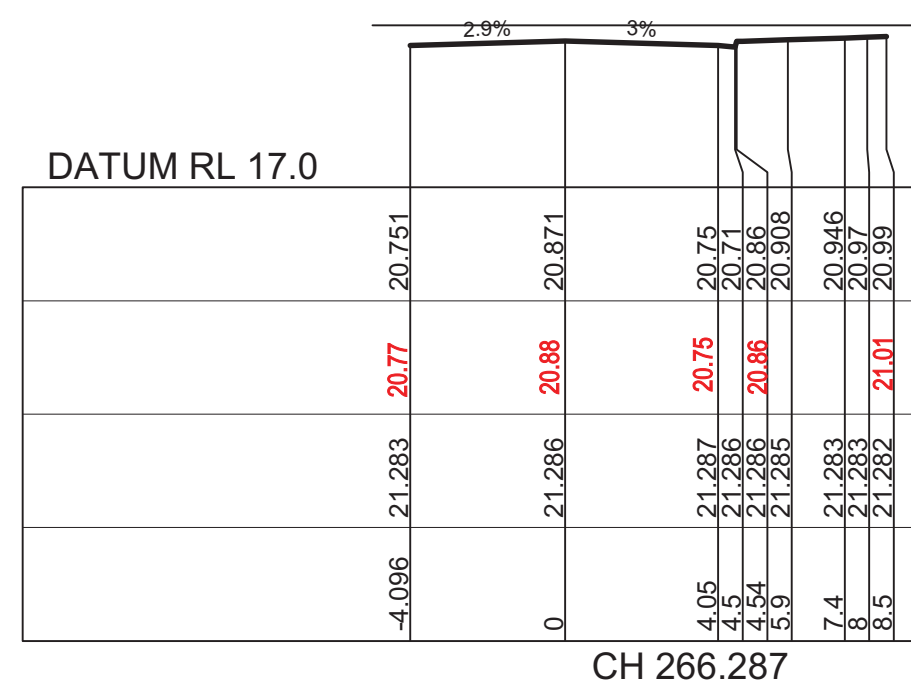
AZIMUTH: M G A 94

DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 9985-12-CC22205

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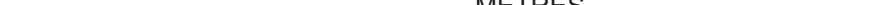


I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



1:200 (AT A1)
1:400 (AT A3)



METRES

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

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

CLIENT:

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GROUP

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

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NEWPARK PRECINCT 7, ROAD A102 ROAD CROSS SECTIONS SHEET 6				PROJECT No: 9985-12					
				SHEET No: CC22206					
AZIMUTH: M.G.A.94		DATUM: A.H.D.		ORIGIN: SSM 1112		PLAN No: 9985-12-CC22206		A	

Plotted: 28 July, 2022 11:22:22 AM File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS7 - Precinct 7\Road A102\9985-12-CC22207.dwg

DATUM RL 17.0	DESIGN SURFACE LEVEL	WAE	EXISTING SURFACE LEVEL	OFFSET
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	20.858		20.562	-5.9
	20.819		20.614	-4.54
	20.796		20.633	-4.5
	20.646		20.634	-4.05
	20.686		20.441	-8
	20.808		20.736	0
	20.926		20.926	8.5

CH 45
ROAD A137

	20.881		20.872	
	20.857		20.854	
	20.837		20.836	
	20.799		20.79	
	20.751		20.742	
	20.601		20.592	
	20.641		20.632	
	20.942		20.753	
	20.881		20.871	

CH 54.509

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	20.562		20.857	
	20.582		20.837	
	20.778		20.799	
	20.819		20.751	
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CH 53.185

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	20.832		20.686	
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	20.686		20.636	
	20.74		20.74	
	20.651		20.651	
	20.741		20.741	
	20.79		20.79	
	20.827		20.827	
	20.851		20.851	
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CH 57.88

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CH 59.292

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CH 30
ROAD A139

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	20.171		20.291	

CH 38.849

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CH 45

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	20.468		20.468	
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CH 49.74

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	20.557		20.439	

CH 60

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by
LAND DEVELOPMENT CERTIFICATES
Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

LDC

Plans and specifications referenced in certificate no. 17799
Christopher Louis Wahbe
Registered Certificate Registration
No Categories: Certifier - Subdivision
BDC 3015
Land Development
Certificates www.LDC.com.au

CLIENT:



STATUS:

ISSUE FOR CONSTRUCTION APPROVAL
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NEWPARK
PRECINCT 7, ROAD A102
ROAD CROSS SECTIONS
SHEET 7

PROJECT No:

9985-12

SHEET No:

CC22207

AZIMUTH: M.G.A.94

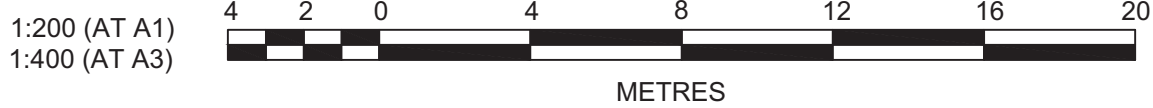
DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 9985-12-CC22207

A

REFER TO ENGINEERING
PLANS CC22011 TO CC22012
FOR LOT REGRADE

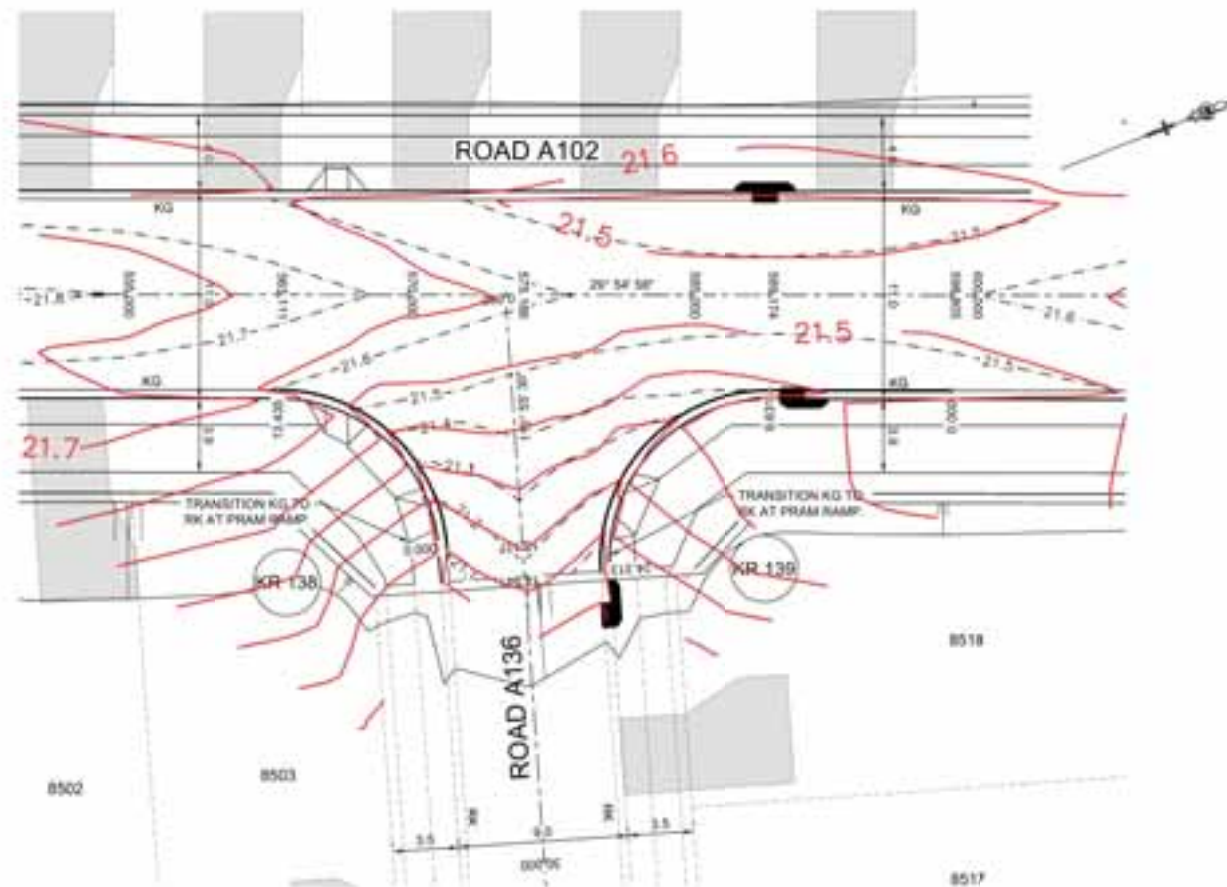


J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

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

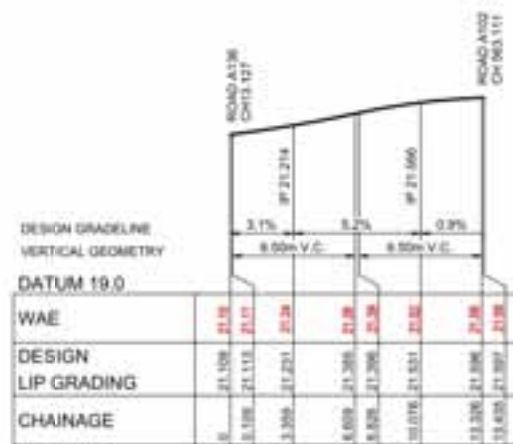
I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



PLAN
SCALE 1:200

DESIGN LEVELS, RADII AND
SETOUT ARE TO LIP OF GUTTER



Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

- DESIGN LEVELS, RADII AND SETOUT ARE TO LIP OF GUTTER
- REFER TO 9985-12-CC22304 FOR MEDIAN ISLAND SETOUT

1:200 (AT A1)
1:400 (AT A3)

METRES

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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



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AZIMUTH: M.G.A. 94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22302
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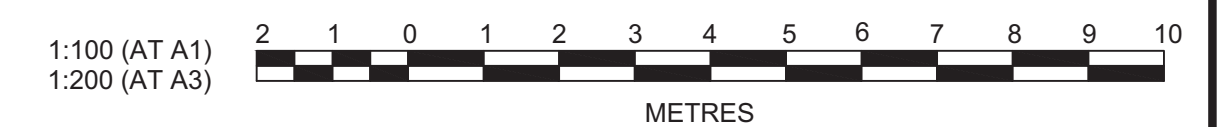
PROJECT No:	9985-12
SHEET No:	CC22302

1



Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

MEDIAN 4					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SP/RAL	A.LENGTH
0	295697.72	6269237.84			
0.42	295697.51	6269237.38		0.6	0.84
0.84	295697.29	6269237.52	285°34'47.04"		
11.72	295686.54	6269240.44	285°34'47.04"		
12.04	295686.23	6269240.52		-43.47	0.64
12.36	295685.92	6269240.61	284°43'49.72"		
12.36	295685.92	6269240.61	284°43'49.72"		
12.63	295685.55	6269240.7		0.3	0.55
12.91	295685.74	6269241.04	29°08'52.30"		
16.22	295687.35	6269243.94	29°08'52.30"		
17.22	295687.99	6269245.08		1.2	1.99
18.21	295689.08	6269244.34	124°16'51.91"		
28.43	295697.52	6269237.59	124°16'51.91"		
28.85	295697.94	6269237.59		0.6	0.84
29.87	295697.22	6269237.84	204°45'49.96"		



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300. **W** www.iwprince.com.au **E** lw@iwprince.com.au

CLIENT:

 WINTEN
PROPERTY
GROUP

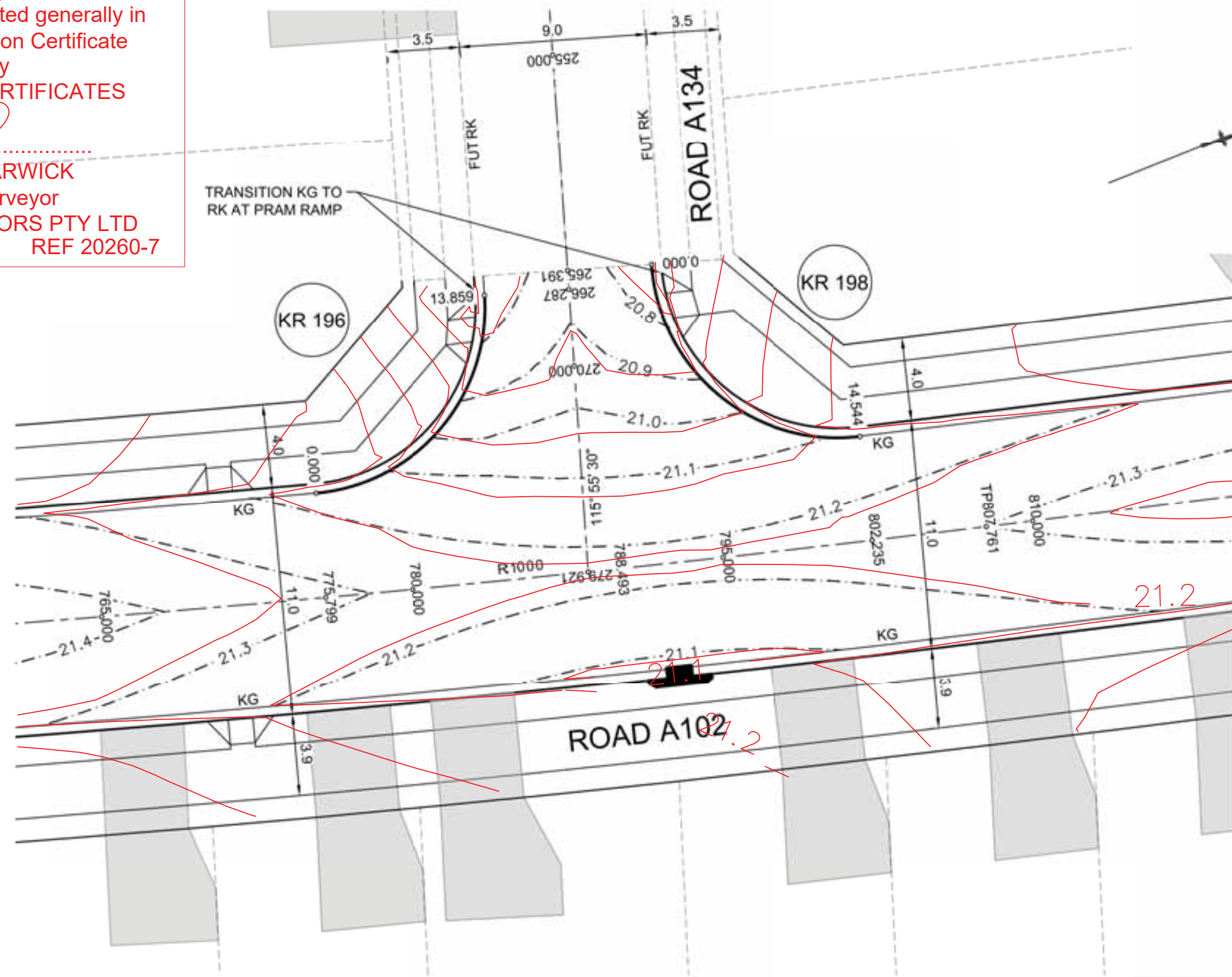
STATUS: **ISSUE FOR
CONSTRUCTION
APPROVAL**

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SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE

NEWPARK PRECINCT 7, ROAD A102 KERB RETURNS SHEET 4				PROJECT No:		9985-12		
				SHEET No:		CC22304		
AZIMUTH: M.G.A.94		DATUM: A.H.D.		ORIGIN: SSM 1112		PLAN No: 9985-12-CC22304		A

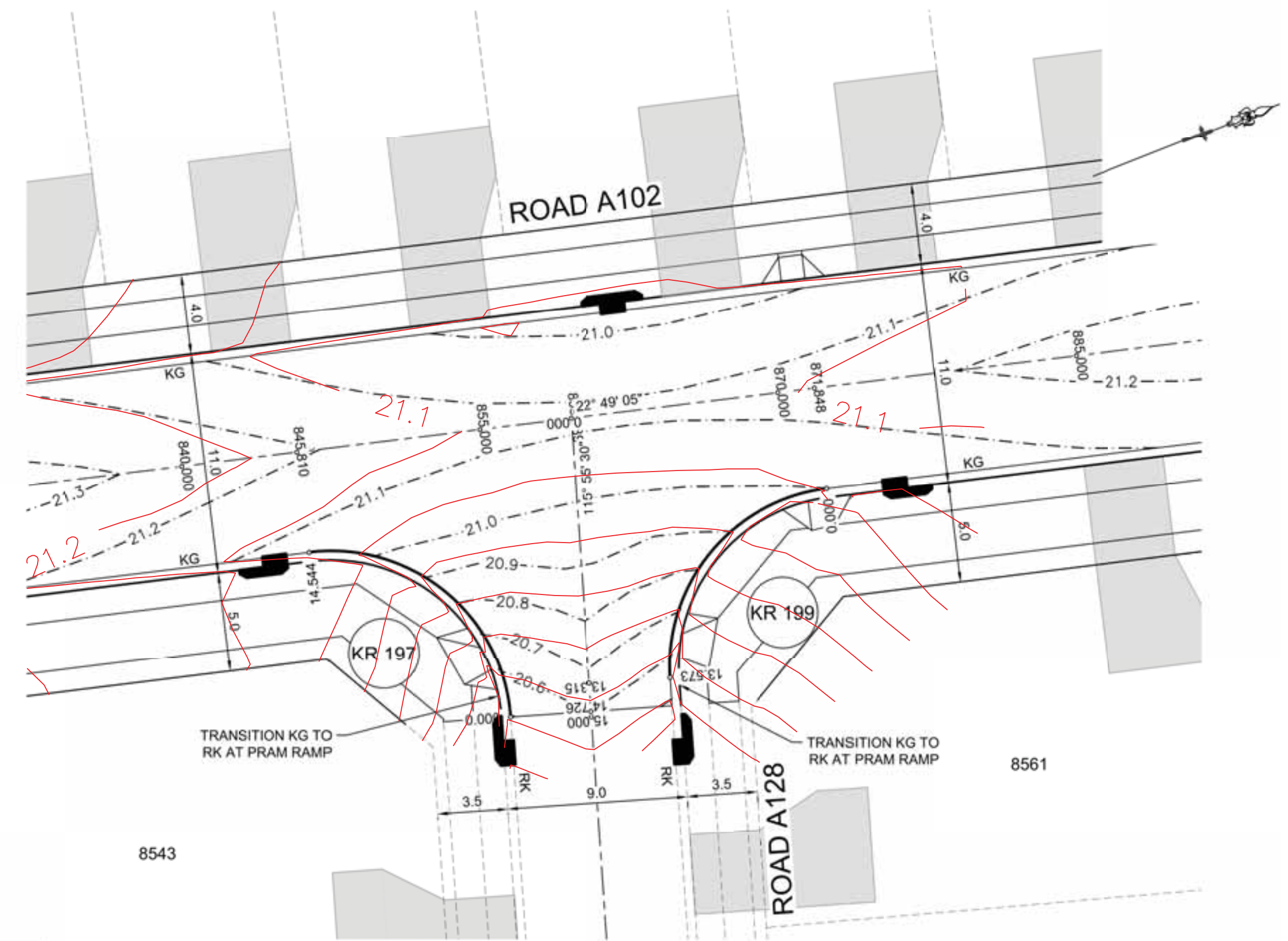
I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

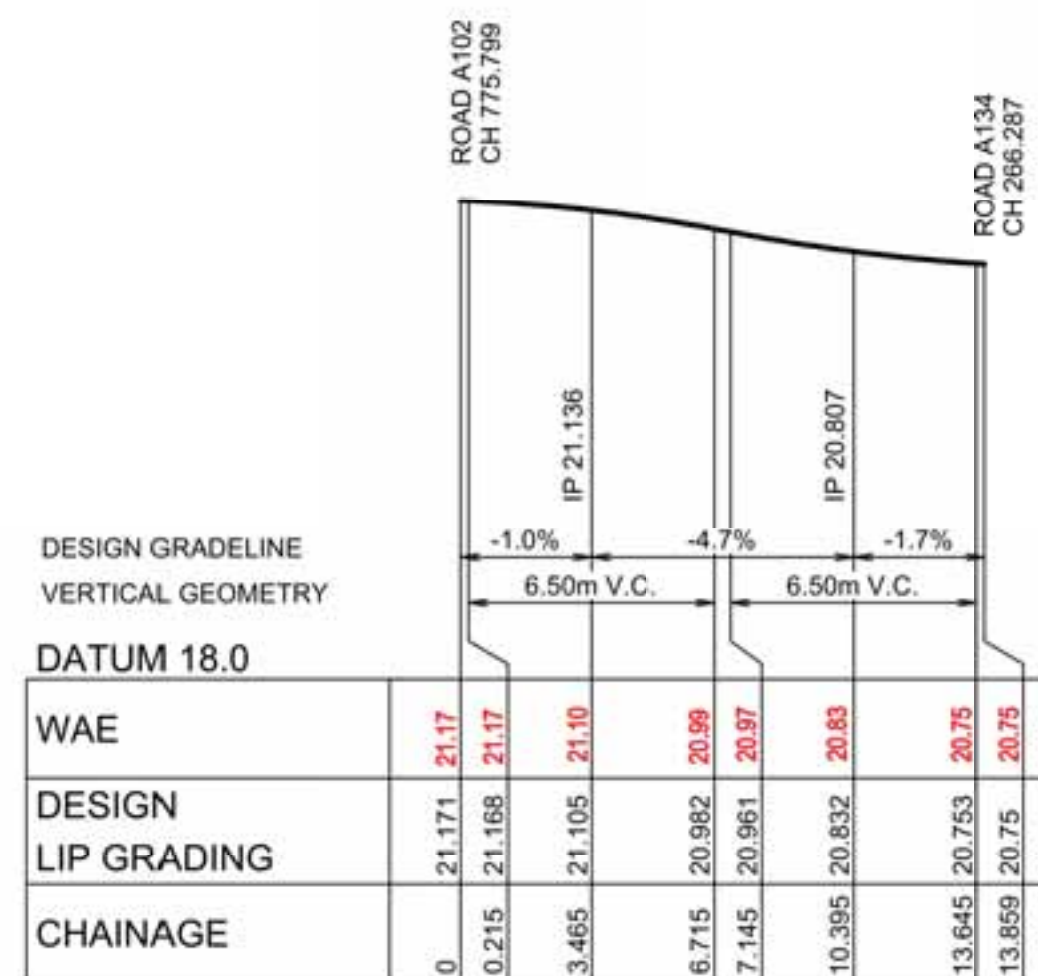


PLAN
SCALE 1:200

DESIGN LEVELS, RADII AND
SETOUT ARE TO LIP OF GUTTER

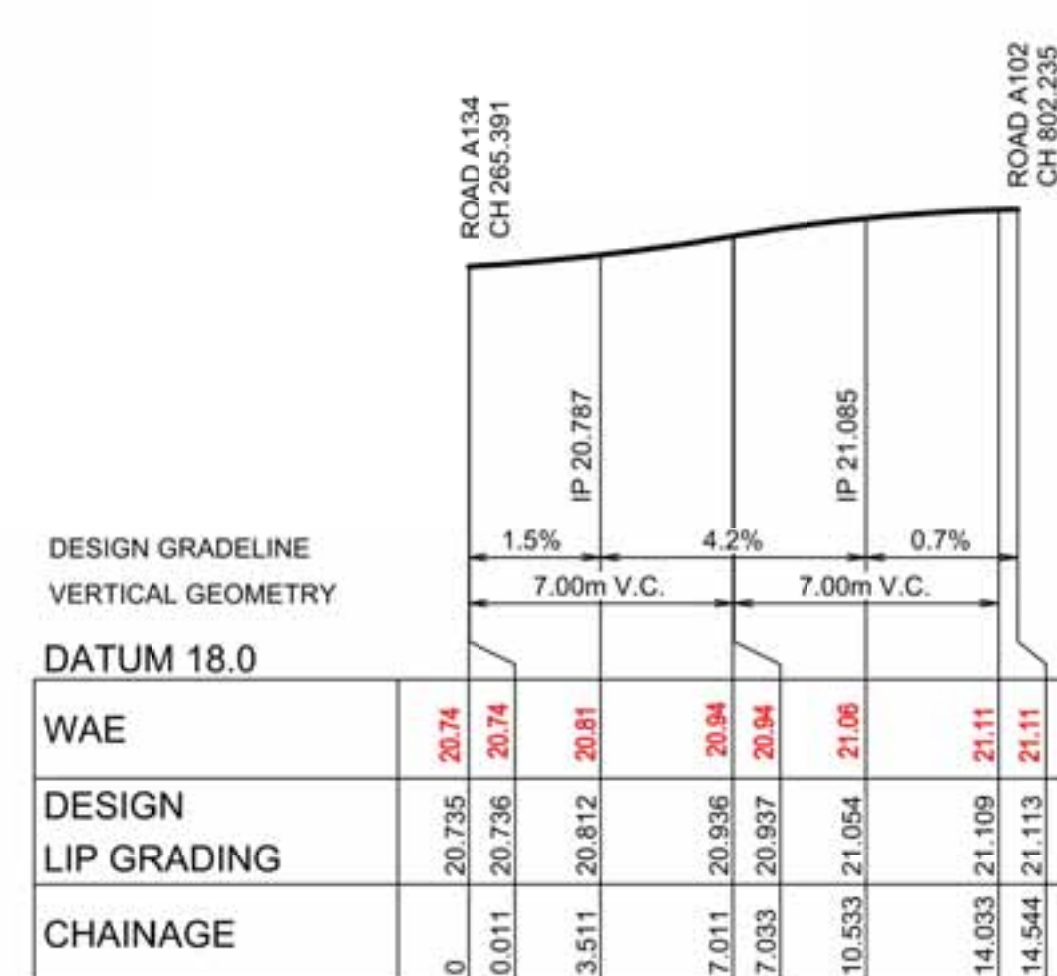


LDC
Plans and specifications referenced in certificate no. 17799 issued by:
Christopher Louis Wahbe
Registered Certifier Registration No: BDC 3015
Categories: Certifier - Subdivision
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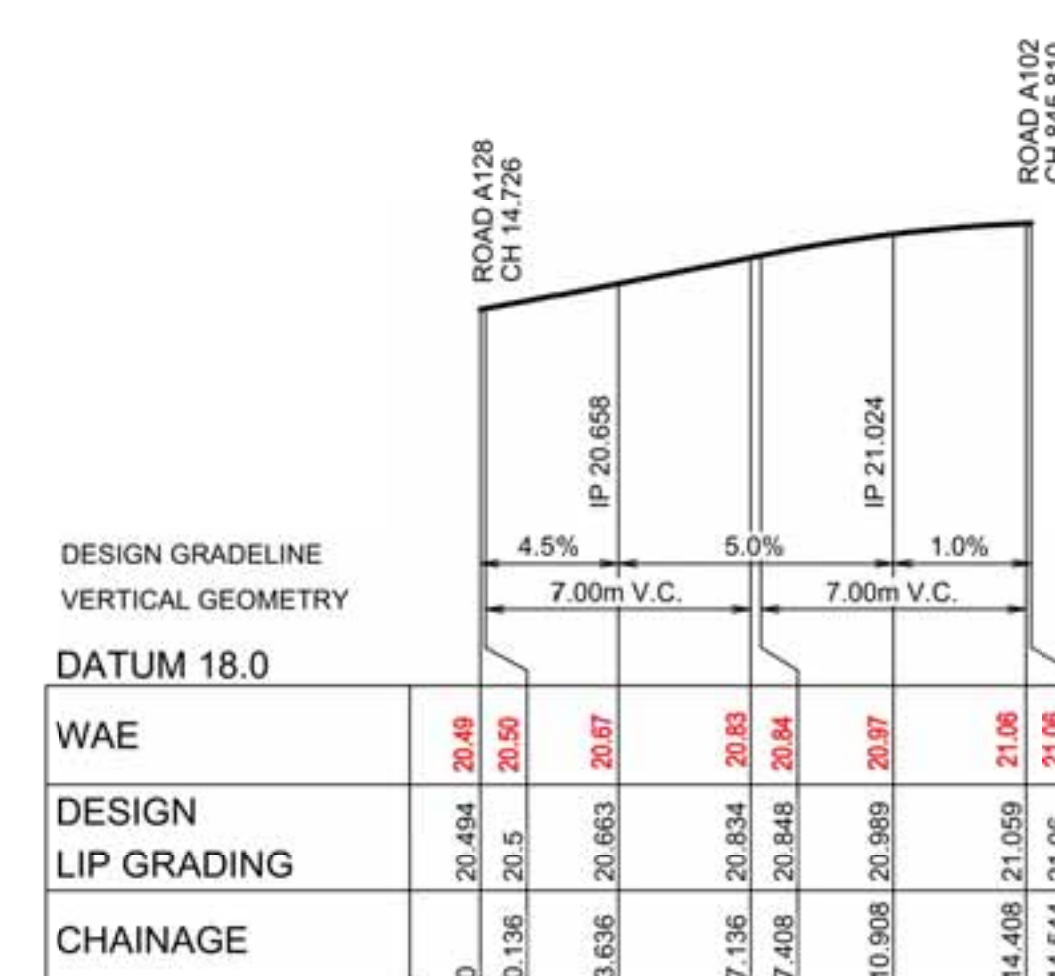
KR 196
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPRAL	A LENGTH
0	295729.93	6269365.17	24°38'57.50"	-8.95	13.86
6.93	295733.58	6269373.12			
13.86	295725.71	6269376.95	295°55'30.20"		



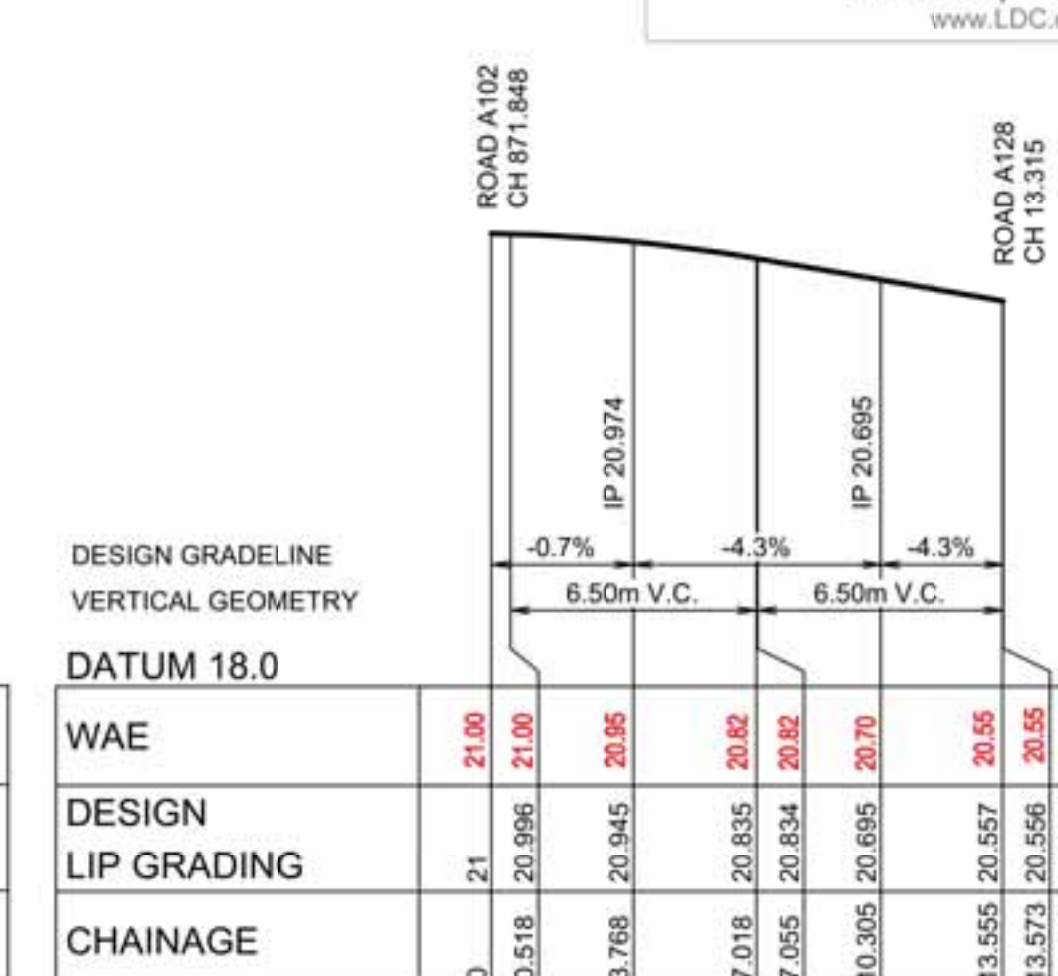
KR 198
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPRAL	A LENGTH
0	295778.96	6269430.01	295°55'30.20"	-8.95	14.54
7.27	295770.46	6269434.14			
14.54	295766.8	6269425.43	202°49'04.91"		



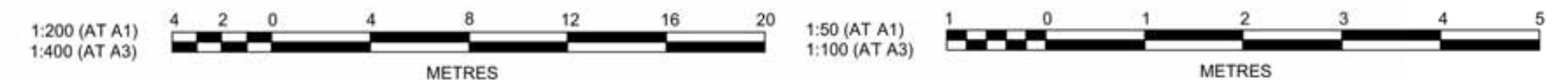
KR 197
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPRAL	A LENGTH
0	295778.96	6269430.01	295°55'30.20"	-8.95	14.54
7.27	295770.46	6269434.14			
14.54	295766.8	6269425.43	202°49'04.91"		



KR 199
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPRAL	A LENGTH
0	295776.89	6269449.43	202°49'04.91"	-8.95	13.57
6.79	295773.61	6269441.62			
13.57	295761.23	6269437.91	115°55'30.20"		



A	ISSUE FOR INFORMATION	AMENDMENT	KE/DG	NJ	DG	MS	28/07/22
			DES	DRN	CKD	APR	DATE

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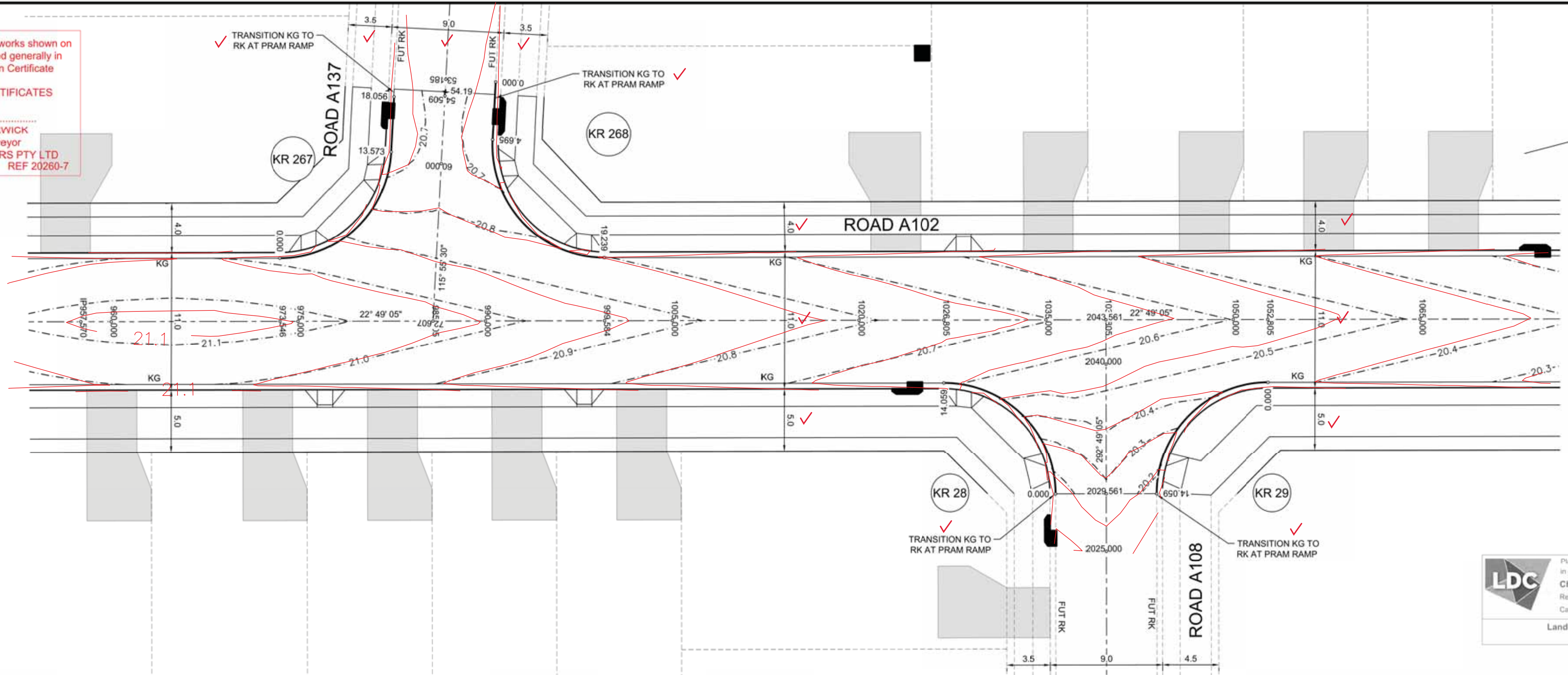
CLIENT:
WINTEN PROPERTY GROUP

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NEWPARK
PRECINCT 7, ROAD A102
KERB RETURNS
SHEET 5
PROJECT No: 9985-12
SHEET No: CC22305
PLAN No: 9985-12-CC22305
AZIMUTH: M.G.A.94
DATUM: A.H.D.
ORIGIN: SSM 1112

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

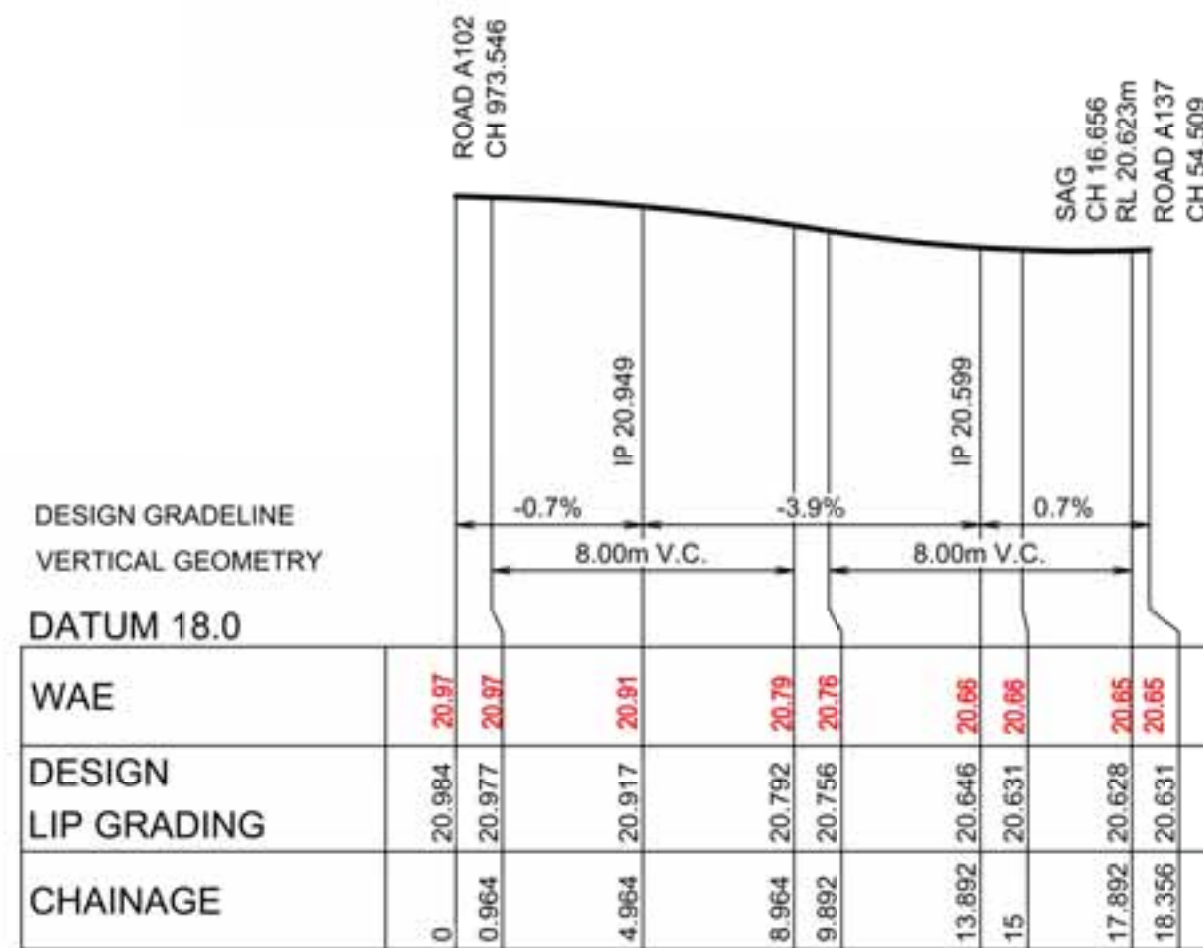
Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



Plans and specifications referenced in certificate no. 17799 issued by:
Christopher Louis Wahbe
Registered Certifier Registration No: BDC 3015
Categories: Certifier - Subdivision
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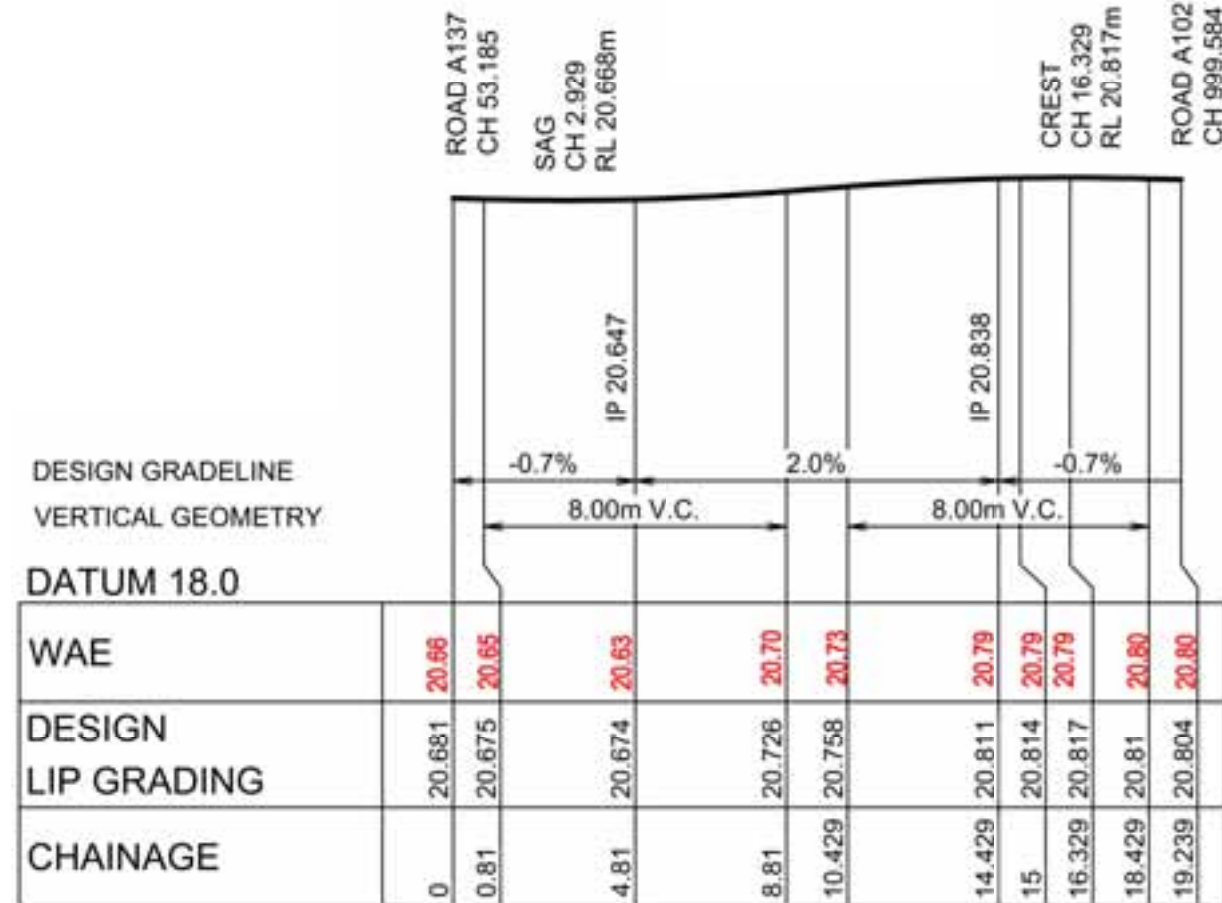
PLAN
SCALE 1:200

DESIGN LEVELS, RADII AND
SETOUT ARE TO LIP OF GUTTER



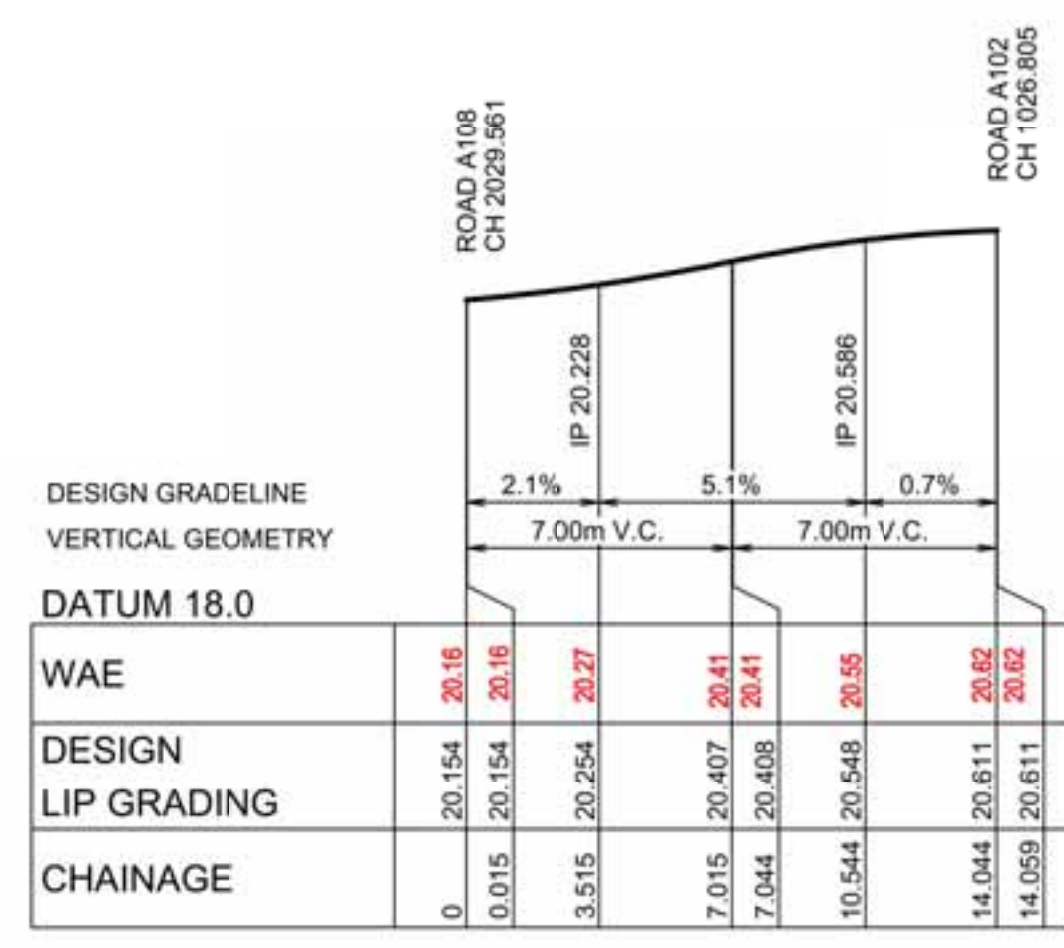
KR 267
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295807.02	6269547.09	22°49'04.78"		
6.79	295810.31	6269554.9		-8.95	13.57
13.57	295802.69	6269558.61	295°55'30.20"		
18.36	295798.39	6269560.7	295°55'30.20"		



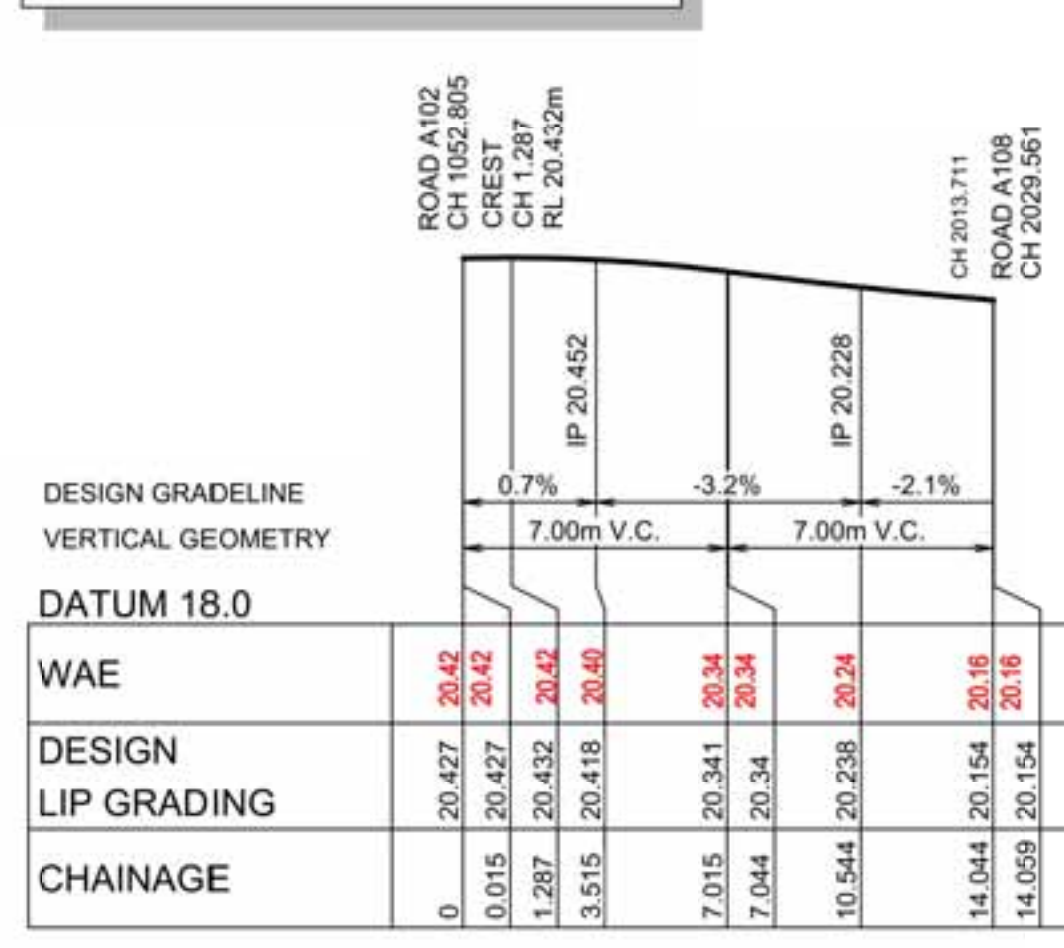
KR 268
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295800.74	6269568.56	115°55'30.20"		
4.7	295804.96	6269566.51	115°55'30.20"		
11.97	295813.46	6269562.38		-8.95	14.54
19.24	295817.12	6269571.09	22°49'04.78"		



KR 28
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295848.71	6269597.04	292°49'04.85"		
7.03	295840.48	6269600.51		-8.95	14.06
14.06	295836.99	6269592.26	202°49'04.78"		



KR 29
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295847.07	6269616.23	202°49'04.78"		
7.03	295843.6	6269607.98		-8.95	14.06
14.06	295851.85	6269604.51	112°49'04.85"		



J. WYNDHAM PRINCE
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CLIENT:
WINTEN PROPERTY GROUP

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**NEWPARK
PRECINCT 7, ROAD A102
KERB RETURNS
SHEET 7**

PROJECT No:
9985-12
SHEET No:
CC22307

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC22307

A

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



LDC Plans and specifications referenced in certificate no. **17799** issued by:
Christopher Louis Wahbe
Registered Certifier Registration No: BOC 3015
Categories: Certifier – Subdivision

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- DESIGN LEVELS, RADII AND SETOUT ARE TO LIP OF GUTTER
- REFER TO 9985-12-CC22310 FOR MEDIAN ISLAND SETOUT

1:200 (AT A1)
1:400 (AT A3)

4 2 0 4 8 12 16 20

METRES

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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STATUS:

STATUS: ISSUE FOR
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NEWPARK
PRECINCT 7, ROAD A102
KERB RETURNS
SHEET 8

PROJECT No.

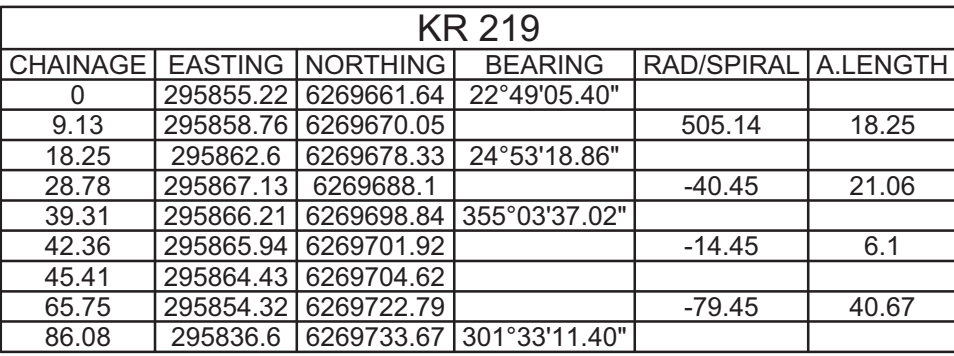
9985-12

SHEET No:

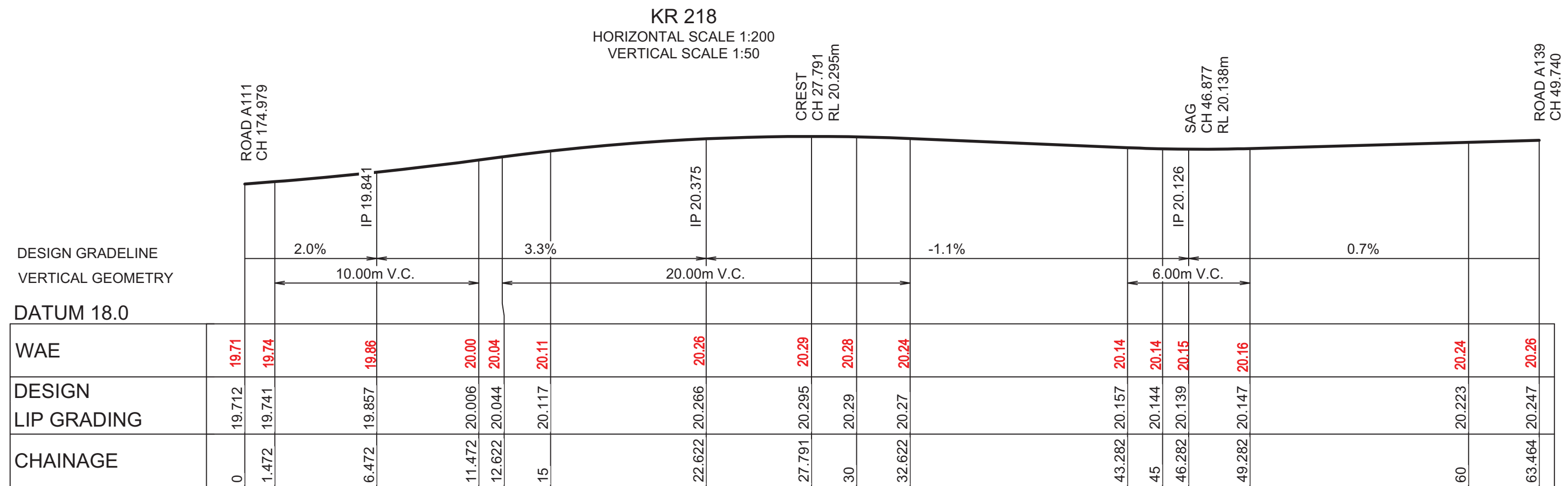
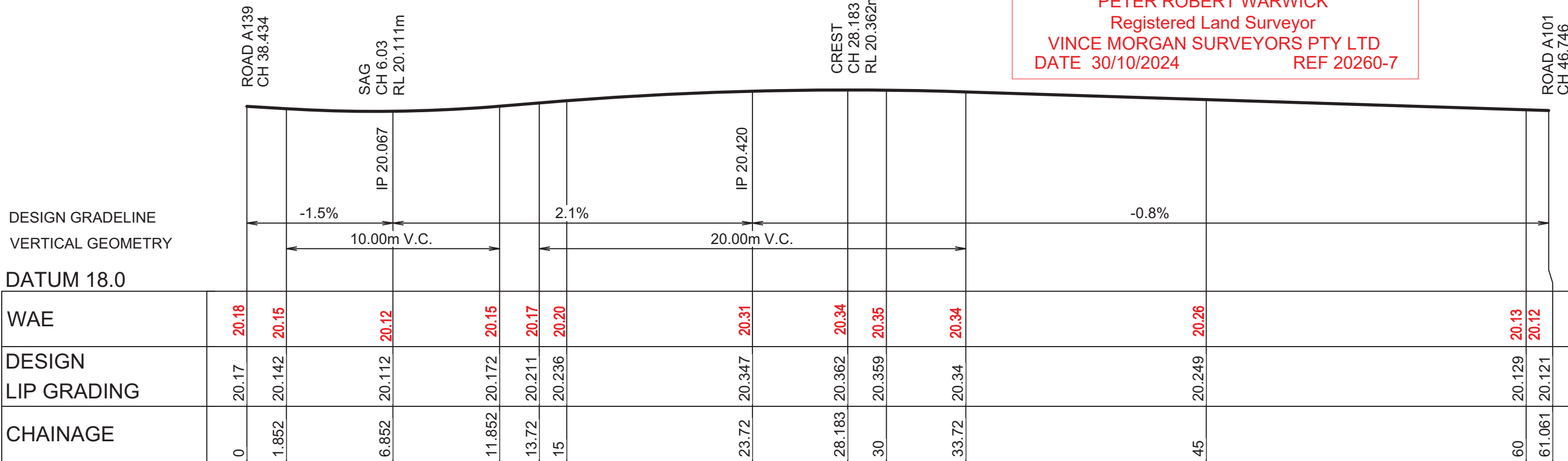
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AZIMUTH: M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22308
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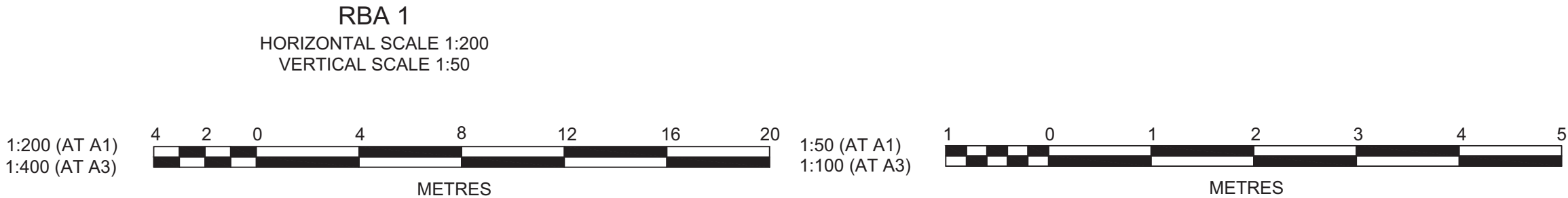
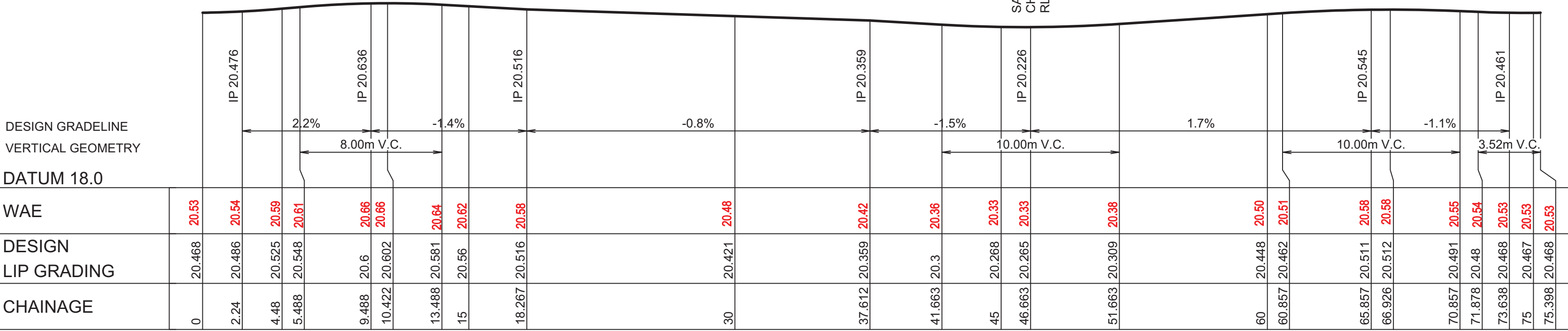
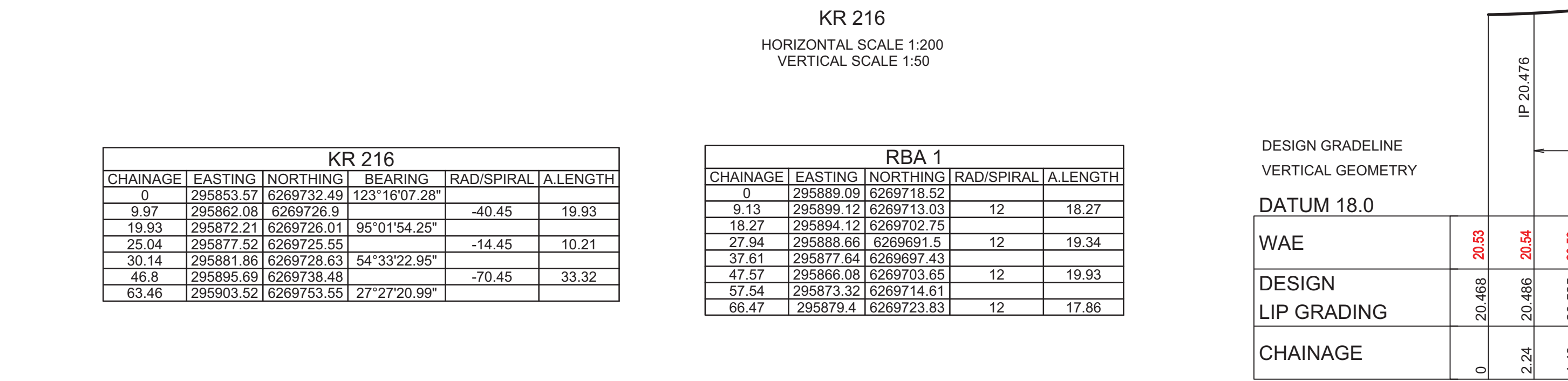


CHAINAGE	LIP GRADING	DESIGN LIP GRADING	WAE
0	20.187	20.19	
11.743	20.269	20.27	
15	20.287	20.29	
18.494	20.293	20.29	
21.743	20.288	20.29	
30	20.224	20.22	
31.743	20.202	20.19	
43.357	20.043	20.03	
45	20.023	20.01	
48.357	20	19.98	
53.357	20.01	20.00	
60	20.057	20.06	
67.228	20.109	20.11	



KR 218					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295914.62	6269687.17	295°55'33.02"		
9.99	295905.45	6269691.63		-40.45	19.97
19.97	295895.27	6269691.21	267°37'58.89"		
24.49	295890.68	6269691.01		-14.45	9.02
29	295886.94	6269688.13	231°51'06.49"		
46.64	295877.77	6269677.02		-70.45	35.28
68.28	295865.68	6269680.44			
65.75	295865.51	6269659.08		-490.02	2.95
67.23	295864.53	6269657.72	202°49'03.10"		

KR 217					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295905.34	6269739.76	208°42'14.28"		
10.18	295900.35	6269730.63		-40.45	20.37
20.37	295900.37	6269720.23	179°51'08.68"		
25.26	295900.39	6269715.14		-14.45	9.78
30.15	295903.58	6269711.19	141°03'46.92"		
45.61	295913.45	6269688.92		-70.45	30.91
61.06	295927.58	6269699.21	115°55'31.10"		



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	AMENDMENT	DES	DRN	CKD	APR
					DATE

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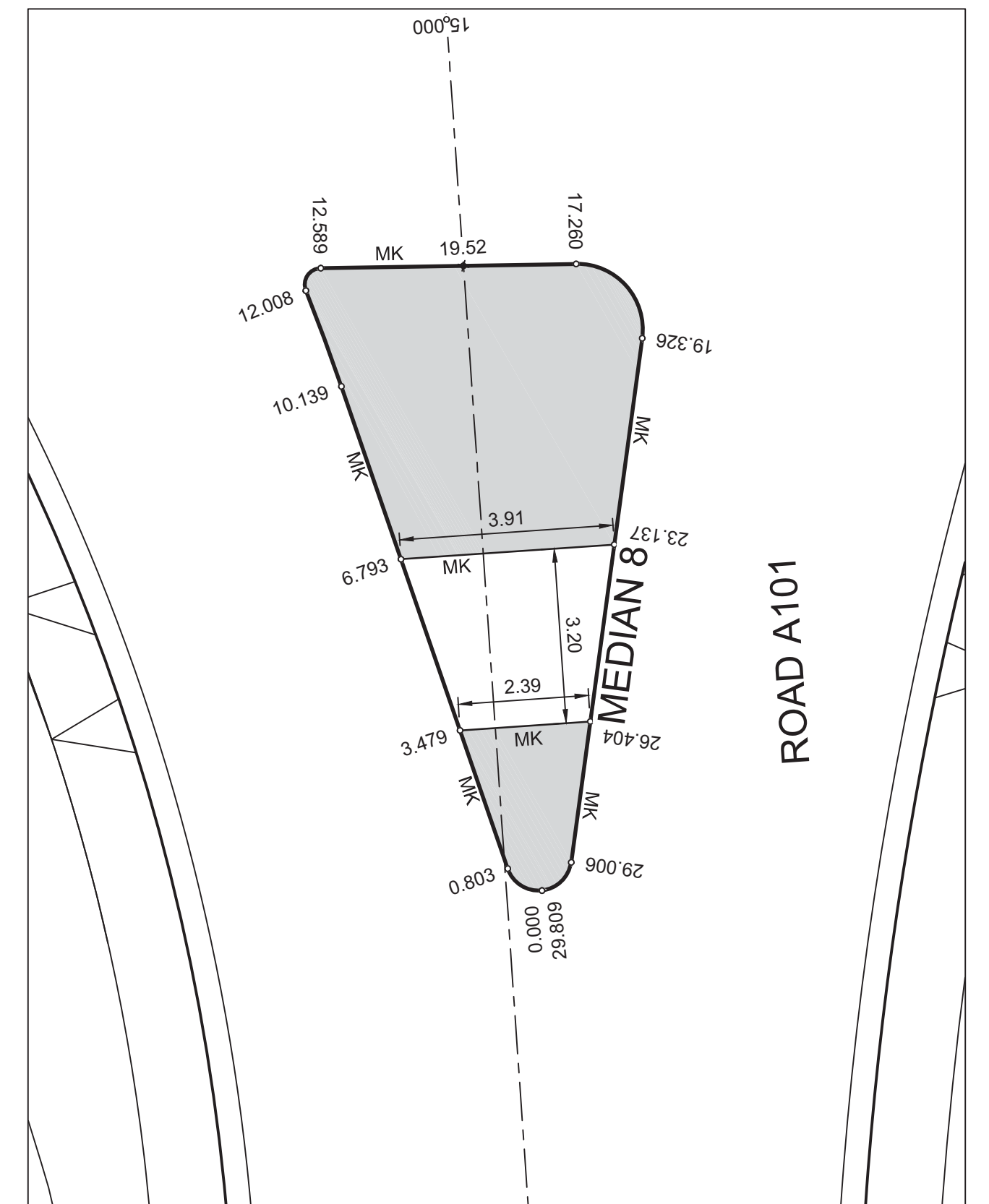
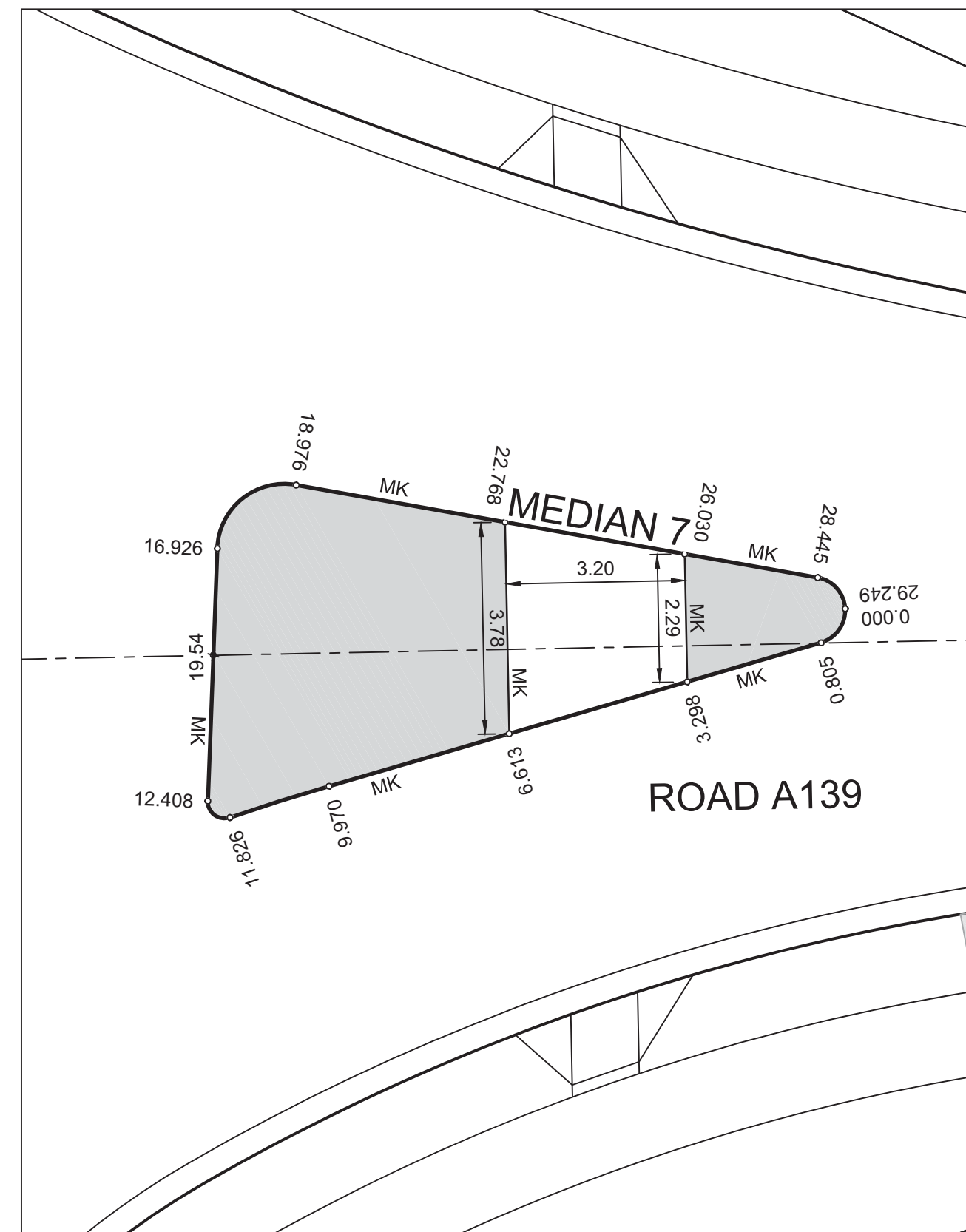
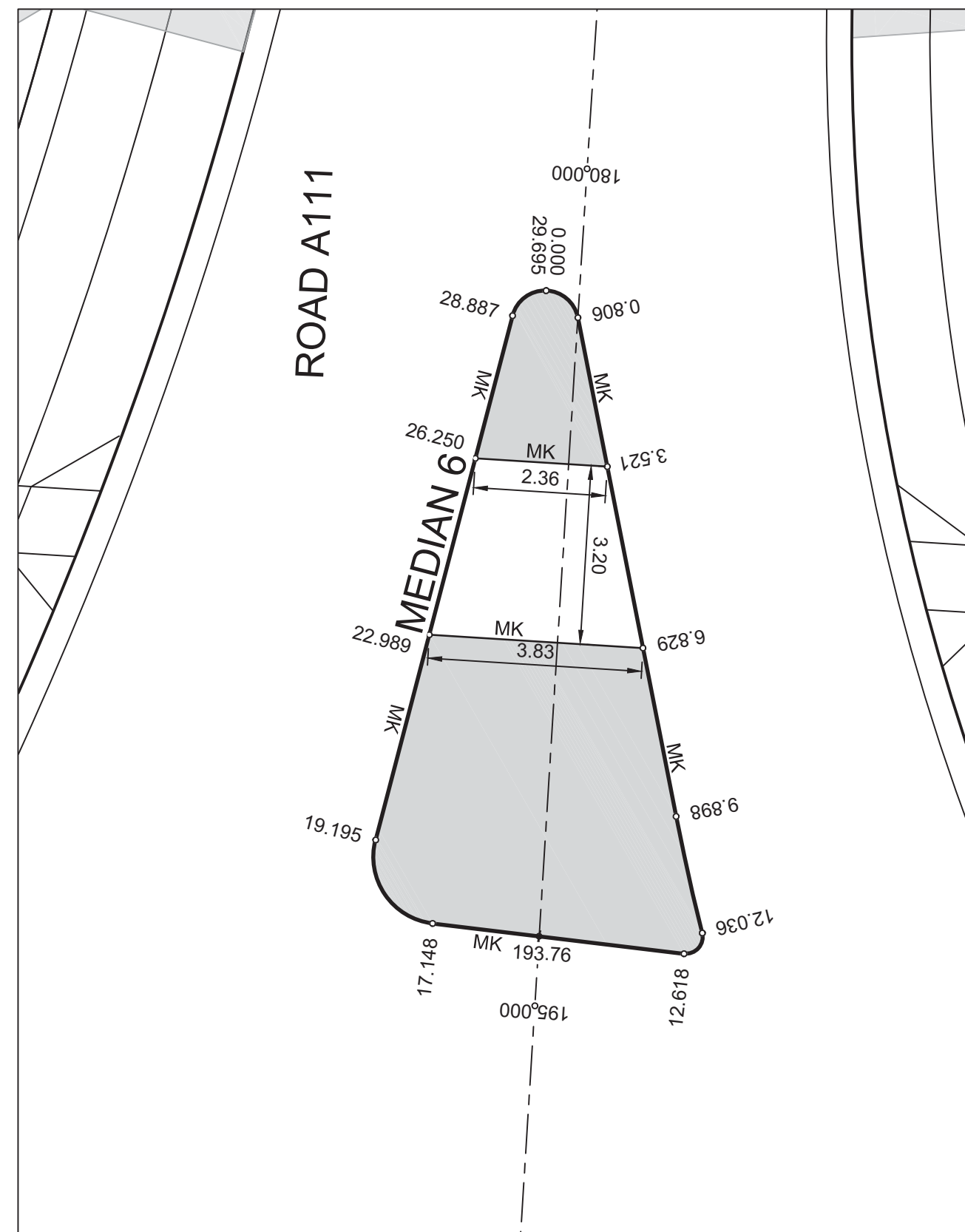
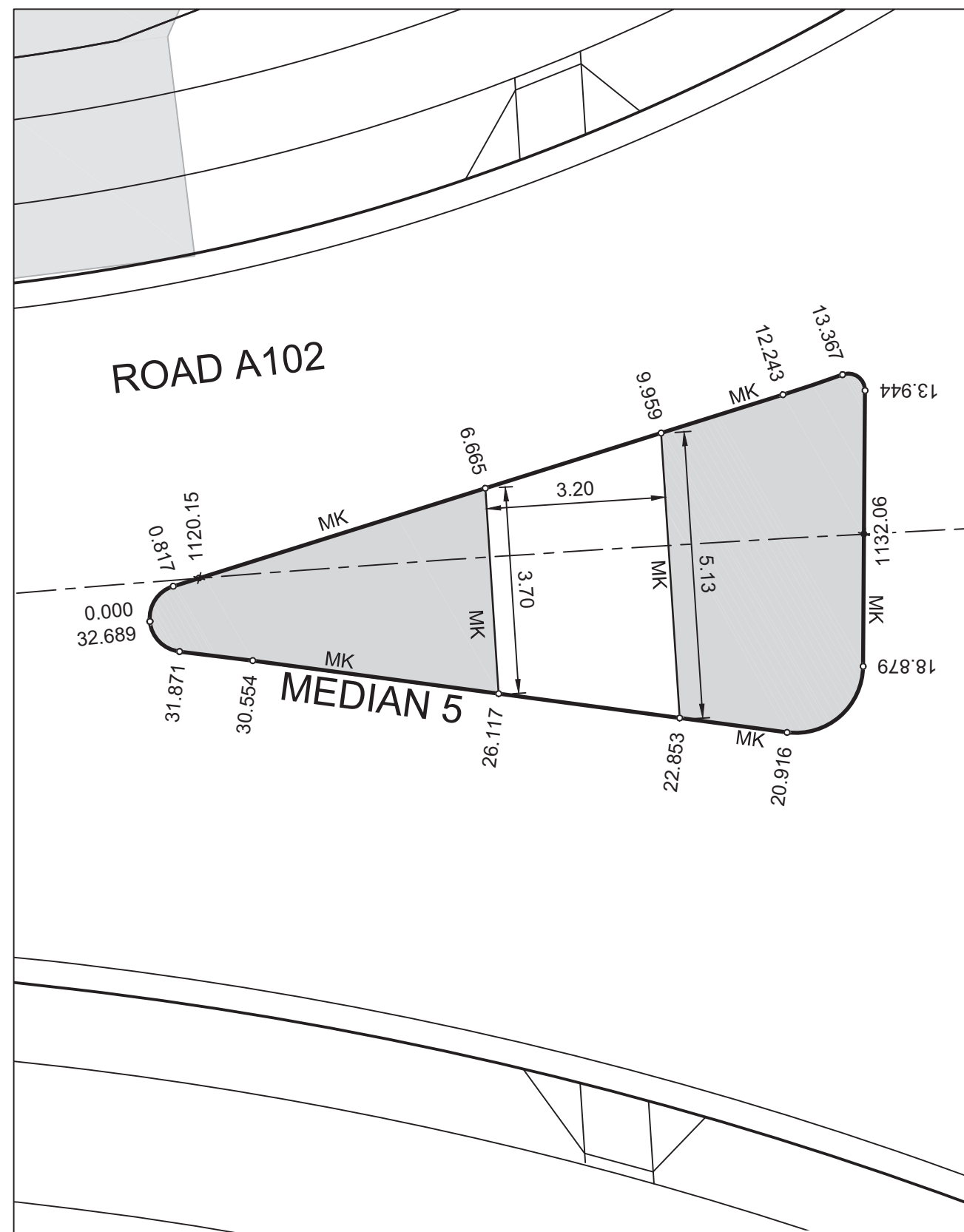
CLIENT:

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GROUP

STATUS: ISSUE FOR
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APPROVAL

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NEWPARK PRECINCT 7, ROAD A102 KERB RETURNS SHEET 9				PROJECT No: 9985-12					
				SHEET No: CC22309					
AZIMUTH: M.G.A.94		DATUM: A.H.D.		ORIGIN: SSM 1112		PLAN No: 9985-12-CC22309		A	



I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....
 PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD
 DATE 30/10/2024 REF 20260-7

MEDIAN 5					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	259869.23	6269678.91			
0.41	259869.78	6269678.11		0.6	0.82
0.82	259868.88	6269679.59	12°24'19.68"		
12.24	259871.34	6269690.75	12°24'19.68"		
12.8	259871.46	6269691.29		-26.83	1.12
13.37	259871.56	6269691.85	10°00'19.91"		
13.37	259871.56	6269691.85	10°00'19.91"		
13.66	259871.63	6269693.27		0.3	0.58
13.94	259872.02	6269693.05	120°15'08.86"		
18.88	259876.27	6269688.57	120°15'08.86"		
19.9	259877.44	6269688.88		1.2	2.04
20.92	259876.61	6269687.8	217°30'42.88"		
30.55	259870.75	6269680.16	217°30'42.88"		
31.21	259870.34	6269679.63		-59.96	1.32
31.87	259869.95	6269679.1	216°15'11.26"		
31.87	259869.95	6269679.1	216°15'11.26"		
32.28	259869.67	6269678.71		0.6	0.82
32.69	259869.22	6269678.91	294°20'48.47"		

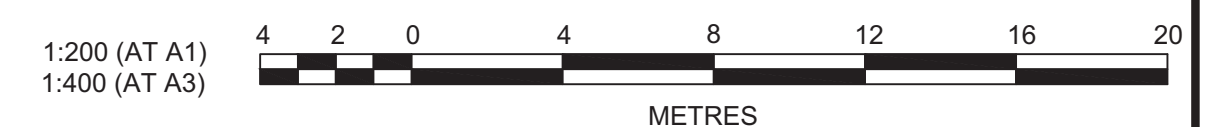
MEDIAN 6					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	259857.07	626972.41			
0.4	259857.32	626972.55		0.6	0.81
0.81	259857.77	626972.67	108°43'18.96"		
1.23	259866.38	626972.12	108°43'18.96"		
10.97	259867.4	626972.61		-40	2.14
12.04	259868.42	626972.32	105°39'35.34"		
12.04	259868.43	626972.32	105°39'35.34"		
12.33	259868.85	626972.21		0.3	0.58
12.62	259868.58	626972.085	216°43'33.56"		
17.15	259865.88	626971.72	216°43'33.56"		
18.17	259865.05	626971.16		1.2	2.05
19.12	259864.07	626971.77	314°29'16.68"		
28.89	259857.16	626972.07	314°29'16.68"		
29.29	259856.82	626972.24		0.6	0.81
29.69	259857.02	626972.42	31°36'17.49"		

MEDIAN 7					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295897.62	626973.35		0.6	0.8
0.4	295896.04	626973.35			
0.6	295897.93	626973.35	193°35'45.84"		
0.9	295895.78	626972.75	193°35'45.84"		
10.9	295895.56	626972.86		-40	1.86
11.83	295895.38	626972.93	190°56'18.54"		
11.83	295895.38	626972.93	190°56'18.54"		
12.12	295895.38	626972.92		0.3	0.58
12.41	295894.93	626973.75	302°01'18.21"		
16.93	295891.1	626972.65	302°01'18.21"		
17.95	295888.93	626972.86		1.2	2.05
18.98	295890.81	626972.93	39°54'38.37"		
28.44	295896.83	626972.92	39°54'38.37"		
28.85	295897.19	626973.56		0.6	0.8
29.25	295897.62	626973.35	116°45'11.88"		

MEDIAN 8					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295911.52	62696985.01			
0.4	295911.33	62696994.58		0.6	0.8
0.8	295910.86	62696994.64	280°50'01.55"		
10.14	295901.69	62696996.43	280°50'01.55"		
11.07	295900.77	62696996.6		-40	1.87
12.01	295899.85	62696996.73	278°09'24.12"		
12.01	295899.85	62696996.73	278°09'24.12"		
12.3	295899.42	62696996.8		0.3	0.58
12.59	295899.63	62696997.18	28°53'56.44"		
17.26	295901.88	6269701.27	28°53'56.44"		
18.29	295902.56	6269702.49		1.2	2.07
19.33	295903.66	6269701.64	327°33'48.26"		
26.01	295911.34	62696995.74	277°33'48.26"		
29.41	295911.71	62696995.45		0.6	0.8



RADII AND SETOUT ARE TO THE
FACE OF KERB



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					28/07/22
					DATE

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

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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, ROAD A102 KERB RETURNS SHEET 10				PROJECT No:		9985-12			
				SHEET No:		CC22310			
AZIMUTH: M.G.A. 94		DATUM: A.H.D.		ORIGIN: SSM 1112		PLAN No: 9985-12-CC22310		A	

PRECINCT 7 ROAD A102 BOUNDARY



METRES

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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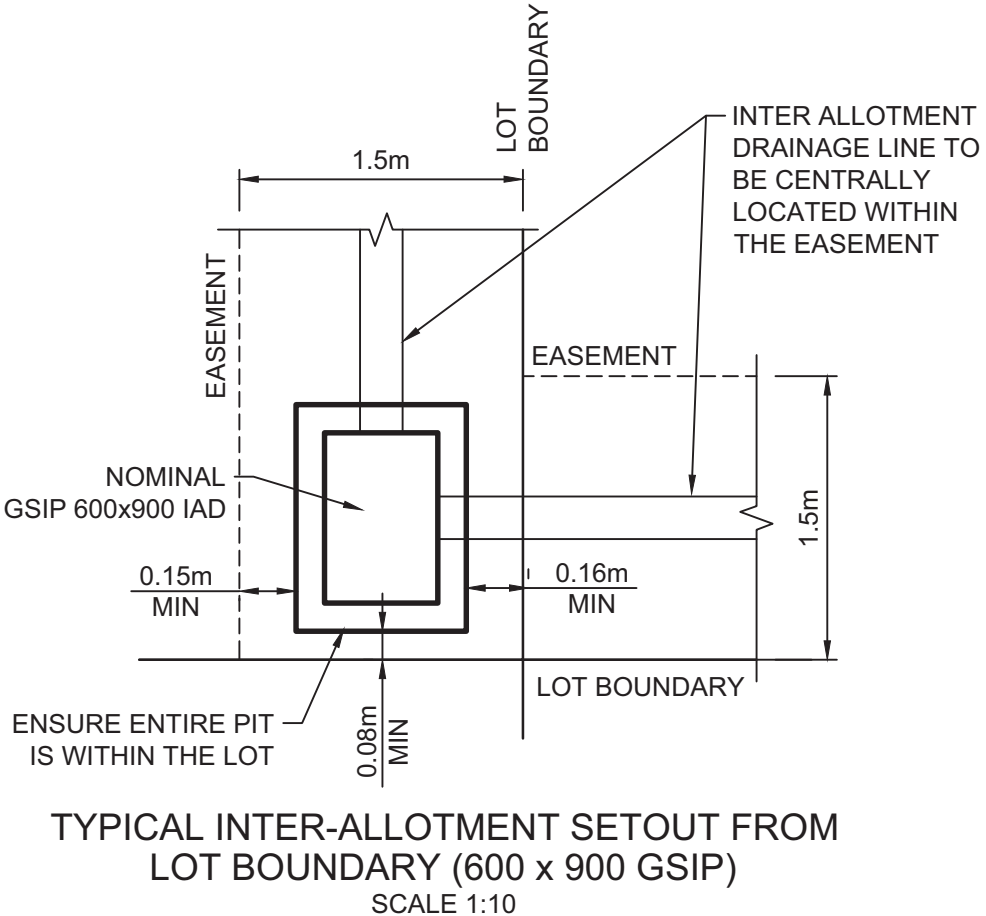
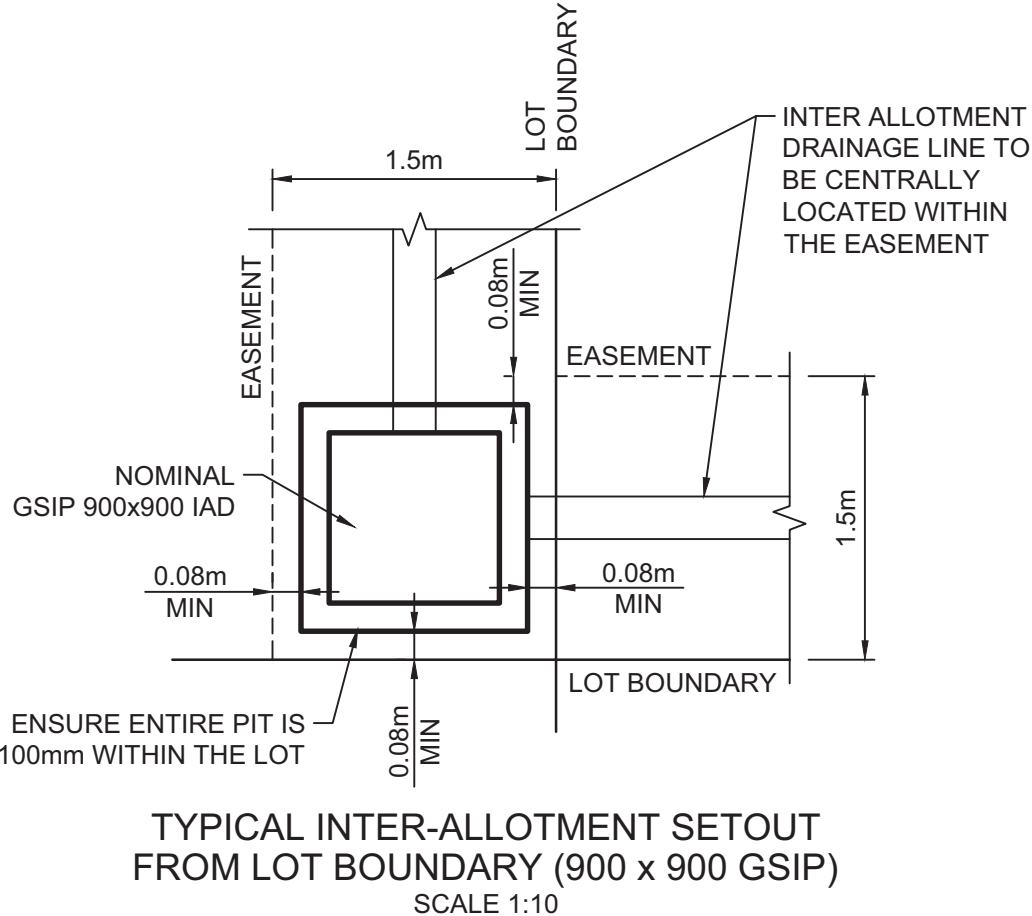
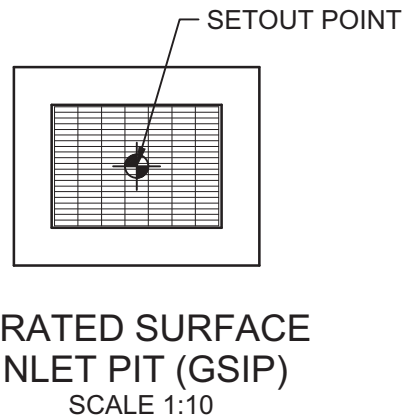
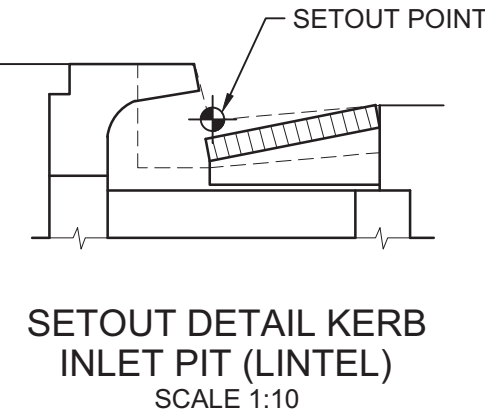
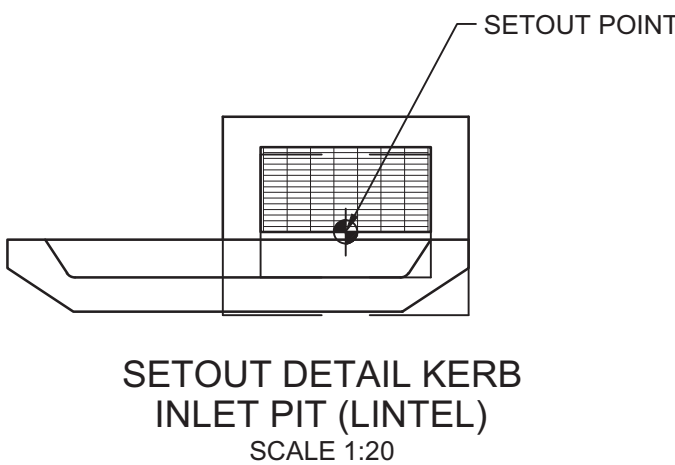
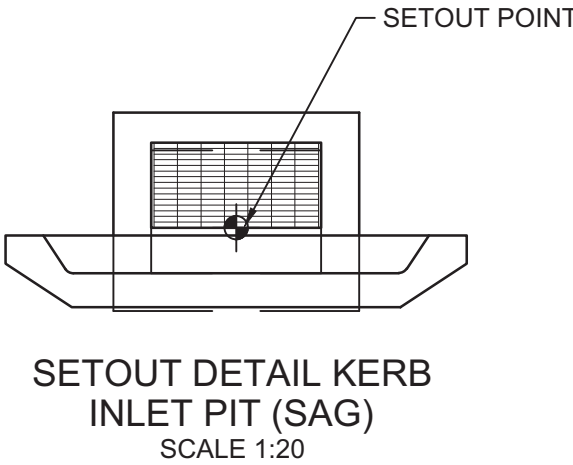
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SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE

AZIMUTH: M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22400	A
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PROJECT No: 9985-12
SHEET No: CC22400

A

PIT NAME (-)	SURFACE FITTING TYPE AND SIZE (-)	PIT EASTING (m)	PIT NORTHING (m)	PIT DEPTH (m)	COMMENTS
C07/1	2.4 m intel sag	295803.42	6269567.76	1.45	
C07/2	2.4 m intel sag	295799.46	6269559.68	1.64	
C11/1	2.4 m intel sag	295845.95	6269640.78	1.51	
C11/2	2.4 m intel sag	295864.62	6269685.28	1.71	
C11/3	JP GRATED 900 x 900	295875.59	6269704.93	2.65	
C11/4	1.8 m lintel	295853.69	6269718.88	2.21	
C11/5	1.8 m lintel	295843.16	6269728.61	2.13	
C55/1	2.4 m lintel	295849.61	6269735.6	1.44	
C65/1	1.8 m lintel	295740.75	6269390.74	1.34	
C65/2	1.8 m lintel	295726.05	6269386.29	1.58	
C79/1	1.8 m lintel	295729.47	6269365.24	1.36	
C79/2	1.8 m lintel	295722.49	6269378.02	1.45	
C82/1	2.4 m intel sag	295872.99	6269672.7	1.45	
D01/1	2.4 m intel sag	295891.96	6269738.03	1.35	
D01/2	2.4 m intel sag	295902.59	6269732.08	1.52	TEMPORARY HEADWALL
E01/1	1.8 m lintel	295706.57	6269238.74	1.6	
E01/2	1.8 m lintel	295716.42	6269233.1	1.62	
E01/3	1.8 m lintel	295740.38	6269221.44	1.69	
E02/1	1.8 m lintel	295836.5	6269589.95	1.35	
E02/2	1.8 m lintel	295851.78	6269595.26	1.53	
E02/3	1.8 m lintel	295872.38	6269586.6	1.53	TEMPORARY HEADWALL
E03/1	2.4 m intel sag	295706.07	6269317.64	1.44	
E03/2	2.4 m intel sag	295715.8	6269312.53	1.71	
E03/3	2.4 m intel sag	295746.33	6269375.93	2.35	
E03/4	1.8 m lintel	295766.53	6269423.63	2.92	
E03/5	1.8 m lintel	295780.34	6269428.84	2.43	
E03/6	1.8 m lintel	295802.61	6269418.02	1.64	TEMPORARY HEADWALL
E04/1	2.4 m intel sag	295790.63	6269509.27	1.44	
E04/2	2.4 m intel sag	295800.77	6269505.01	1.71	
E04/3	1.8 m lintel	295778.63	6269452.39	2.49	
E04/4	1.8 m lintel	295784.76	6269436.7	2.06	
E15/1	2.4 m intel sag	295763.48	6269444.75	1.44	
E18/1	1.8 m lintel	295712.27	6269225.09	1.45	
E20/1	GSIP 900x900	295677.2	6269247.72	1.66	
EC/2	IAD 900x900			1.56	
F06/1	2.4 m intel sag	295640.29	6269201.85	1.44	
F06/2	1.8 m lintel	295650.54	6269197.61	1.56	
F06/3	1.8 m lintel	295655.7	6269183.66	1.55	
F06/4	2.4 m lintel	295685.26	6269169.29	1.56	TEMPORARY HEADWALL



I hereby certify that engineering works shown on
this plan have been constructed generally in
accordance with Construction Certificate
17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....

PETER ROBERT WARWICK
Registered Land Surveyor

VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	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:

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NEWPARK
PRECINCT 7, ROAD A102
PIT SCHEDULE
SHEET 1

PROJECT No:

9985-12

SHEET No:

CC22411

AZIMUTH: M.G.A.94

DATUM: A.H.D.

ORIGIN: SSM 1112

PL

9985-12-CC22411

1

PIT NAME (-)	PIT TYPE (-)	CATCHMENT AREA (Ha)	PERCENT IMPERVIOUS (%)	Tc IMP (min)	Tc PERV (min)	CRITICAL STORM (min)	APPROACH FLOW (L/s)	CAPTURED FLOW (L/s)	UNCAPTURED FLOW (L/s)	GRATE DEPTH (mm)	ROAD GRADE (%)	ROAD CROSSFALL (%)	BYPASS PIT (-)	FLOW AT BYPASS PIT	FLOW WIDTH AT BYPASS PIT (m)	VxD AT BYPASS PIT (m/s^2)	COMMENTS (-)
C07/1	2.4 m lintel sag	0.029	95	5	5	5	12	12	0	23	0.4	1.9	C07/4	0	0.86	0	
C07/2	2.4 m lintel sag	0.111	85	5	5	15	47	47	0	58	0.7	3	C07/3	0	1.75	0.01	
C11/1	2.4 m lintel sag	0.074	85	5	5	15	27	27	0	50	0.7	3	C11/2	6	0.68	0.02	
C11/2	2.4 m lintel sag	0.074	95	5	5	15	6	6	0	23	0.3	3.3	C11/4	0	0	0	
C11/3	JP GRATED 900 x 900	0.027	50	5	5	15	9	9	0	33	0.7	2.1	C11/4	4	0.45	0.02	
C11/4		1.8 m lintel	0.029	95	5	5	15	4	4	0	39	1.8	1.9	C11/5	6	0.45	0.02
C11/5	1.8 m lintel	0.015	95	5	5	15	6	6	0	36	2	2.7	C11/6	5	0.85	0.01	
C55/1	2.4 m lintel	0.126	85	5	5	15	47	44	3	80	2	3	C20/1	49	1.83	0.07	
C65/1	1.8 m lintel	0.017	95	5	5	5	7	7	0	44	0.7	3	C65/2	8	1.87	0.01	
C65/2	1.8 m lintel	0.021	95	5	5	25	8	8	0	82	1.2	3	C65/3	37	1.87	0.05	
C79/1	1.8 m lintel	0.02	95	5	5	15	8	8	0	41	1	3	C79/2	7	2.3	0.01	
C79/2	1.8 m lintel	0.02	95	5	5	15	7	7	0	94	1.2	3	C80/1	60	2.3	0.07	
C82/1	2.4 m lintel sag	0.122	95	5	5	15	46	46	0	56	0.2	2.3	C11/2	0			
D01/1	2.4 m lintel sag	0.06	95	5	5	5	23	23	0	35	0.3	2.1	LOST	0	0	0	
D01/2	2.4 m lintel sag	0.056	95	5	5	5	22	22	0	35	0.3	2.8	D01/3	0	0.74	0	
E01/1	1.8 m lintel	0.031	95	5	5	15	12	12	0	46	6.5	2.8	E01/2	15	0.88	0.05	
E01/2	1.8 m lintel	0.041	85	5	5	25	15	15	0	52	6.5	3.1	E01/3	21	1.88	0.03	
E01/3	1.8 m lintel	0.078	85	5	5	25	21	21	0	82	6	2.9	E01/4	45	1.88	0.06	
E02/1	1.8 m lintel	0.063	95	5	5	15	9	9	0	42	0.7	3	E02/2	8	1.62	0.01	
E02/2	1.8 m lintel	0.022	95	5	5	25	8	8	0	74	1.8	3	E02/3	32	1.89	0.04	
E02/3	1.8 m lintel	0.086	85	5	5	25	32	29	3	82	1.4	3	E02/4	45	1.89	0.06	
E03/1	2.4 m lintel sag	0.095	95	5	5	5	36	36	0	45	0.1	3	LOST	0	0	0	
E03/2	2.4 m lintel sag	0.102	95	5	5	15	39	39	0	51	0.1	3	E03/3	0	0	0	
E03/3	2.4 m lintel sag	0.074	95	5	5	25	22	22	0	40	0.1	3	E03/4	0	0	0	
E03/4	1.8 m lintel	0.023	95	5	5	25	2	2	0	39	1	3	E03/5	8	1.27	0.02	
E03/5	1.8 m lintel	0.022	95	5	5	15	8	8	0	64	5	3	E03/6	36	1.27	0.08	
E03/6	1.8 m lintel	0.096	85	5	5	15	36	35	1	63	5.2	3	E03/7	35	1.25	0.08	
E04/1	2.4 m lintel sag	0.24	85	5	5	5	81	78	3	70	0.1	3	LOST	0	0	0	
E04/2	2.4 m lintel sag	0.076	95	5	5	15	29	29	0	51	0.1	3	E02/1	0	0	0	
E04/3	1.8 m lintel	0.02	95	5	5	5	7	7	0	40	0.7	3	E04/4	8	1.21	0.02	
E04/4	1.8 m lintel	0.021	95	5	5	15	8	8	0	62	5	3	E10/1	33	1.21	0.07	
E15/1	2.4 m lintel sag	0.128	85	5	5	15	48	48	0	58	0.1	3	E04/1	0	0	0	
E18/1	1.8 m lintel	0.12	85	5	5	15	45	42	3	64	6.7	3	E06/1	41	1.39	0.08	
E20/1	GSIP 900x900	0.006	50	5	5	15	2	2	0	0							
F06/1	2.4 m lintel sag	0.084	95	5	5	5	32	32	0	51	0.1	3	F06/2	0			
F06/2	1.8 m lintel	0.058	95	5	5	15	11	11	0	46	1.1	3	F06/3	8	1.6	0.01	
F06/3	1.8 m lintel	0.022	95	5	5	15	8	8	0	74	3.1	3	F06/4	46	1.6	0.08	
F06/4	2.4 m lintel	0.122	85	5	5	15	46	42	4	72	3.1	3	F06/5	42	1.55	0.07	

DESIGN STORM 5% AEP HYDROLOGIC RESULTS																	
PIT NAME (-)	PIT TYPE (-)	CATCHMENT AREA (Ha)	PERCENT IMPERVIOUS (%)	Tc IMP (min)	Tc PERV (min)	CRITICAL STORM (min)	APPROACH FLOW (L/s)	CAPTURED FLOW (L/s)	UNCAPTURED FLOW (L/s)	GRATE DEPTH (mm)	ROAD GRADE (%)	ROAD CROSSFALL (%)	BYPASS PIT (-)	FLOW AT BYPASS PIT (L/s)	FLOW WIDTH AT BYPASS PIT (m)	VxD AT BYPASS PIT (m/s^2)	COMMENTS (-)
EC/1	IAD 600x900	0.051	80	5	5	15	22	22	0	0							
EC/2	IAD 900x900		0			5	0	0	0	0							

I hereby certify that engineering works shown on
this plan have been constructed generally in
accordance with Construction Certificate
17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

	Plans and specifications referenced in certificate no. 17799 Christopher Louis Wahbe Registered Certificate of Registration No. Categories: Contractor Subdivision BDC 3015
Land Development Certificates www.LDC.com.au	

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Plotted: 28 July, 2022 11:33:18 AM File Name: J:\9985D\CC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\7 - Precinct 7\Road A102\9985-12-CC22413.dwg

DESIGN STORM 1% AEP HYDROLOGIC RESULTS																	
PIT	PIT	CATCHMENT	PERCENT	Tc	Tc	CRITICAL	APPROACH	CAPTURED	UNCAPTURED	GRATE	ROAD	ROAD	BYPASS	FLOW AT	FLOW WIDTH	VxD	COMMENTS
NAME	TYPE	AREA	IMPERVIOUS	IMP	PERV	STORM	FLOW	FLOW	FLOW	DEPTH	GRADE	CROSSFALL	PIT	BYPASS PIT	AT BYPASS PIT	AT BYPASS PIT	(-)
(-)	(-)	(Ha)	(%)	(min)	(min)	(min)	(L/s)	(L/s)	(L/s)	(mm)	(%)	(%)	(-)	(L/s)	(m)	(m/s^2)	(-)
C07/1	2.4 m lintel sag	0.029	95	5	5	10	17	17	0	44	0.4	1.9	C07/4	0	1.06	0	
C07/2	2.4 m lintel sag	0.111	85	5	5	15	67	67	0	105	0.7	3	C07/3	0	2.02	0.01	
C11/1	2.4 m lintel sag	0.074	85	5	5	15	38	38	0	75	0.7	3	C11/2	22	1.59	0.04	
C11/2	2.4 m lintel sag	0.074	95	5	5	15	22	22	0	61	0.3	3.3	C11/4	0	0	0	
C11/3	JP GRATED 900 x 900	0.027	50	5	5	15	14	11	3	45	0.7	2.1	C11/4	9	0.75	0.03	
C11/4	1.8 m lintel	0.029	95	5	5	15	9	7	2	49	1.8	1.9	C11/5	9	0.75	0.03	
C11/5	1.8 m lintel	0.015	95	5	5	15	9	7	2	46	2	2.7	C11/6	8	1.11	0.02	
C55/1	2.4 m lintel	0.126	85	5	5	15	67	46	21	94	2	3	C20/1	85	2.3	0.1	
C65/1	1.8 m lintel	0.017	95	5	5	15	9	7	2	53	0.7	3	C65/2	13	2.22	0.02	
C65/2	1.8 m lintel	0.021	95	5	5	15	13	11	2	92	1.2	3	C65/3	55	2.22	0.06	
C79/1	1.8 m lintel	0.02	95	5	5	15	11	9	2	51	1	3	C79/2	13	2.68	0.01	
C79/2	1.8 m lintel	0.02	95	5	5	15	13	10	3	106	1.2	3	C80/1	88	2.68	0.08	
C82/1	2.4 m lintel sag	0.122	95	5	5	15	64	64	0	100	0.2	2.3	C11/2	0			
D01/1	2.4 m lintel sag	0.06	95	5	5	5	33	31	2	62	0.3	2.1	LOST	0	0	0	
D01/2	2.4 m lintel sag	0.056	95	5	5	5	31	31	0	62	0.3	2.8	D01/3	0	0.92	0	
E01/1	1.8 m lintel	0.031	95	5	5	5	17	14	3	55	6.5	2.8	E01/2	25	1.18	0.06	
E01/2	1.8 m lintel	0.041	85	5	5	5	25	20	5	61	6.5	3.1	E01/3	35	2.29	0.04	
E01/3	1.8 m lintel	0.078	85	5	5	5	35	26	9	94	6	2.9	E01/4	72	5.77	0.07	
E02/1	1.8 m lintel	0.063	95	5	5	5	12	10	2	51	0.7	3	E02/2	13	1.94	0.02	
E02/2	1.8 m lintel	0.022	95	5	5	5	13	10	3	84	1.8	3	E02/3	48	2.35	0.05	
E02/3	1.8 m lintel	0.086	85	5	5	5	48	32	16	96	1.4	3	E02/4	76	2.35	0.08	
E03/1	2.4 m lintel sag	0.095	95	5	5	5	51	49	2	80	0.1	3	LOST	0	0	0	
E03/2	2.4 m lintel sag	0.102	95	5	5	5	54	54	0	90	0.1	3	E03/3	0	0	0	
E03/3	2.4 m lintel sag	0.074	95	5	5	5	31	31	0	69	0.1	3	E03/4	0	0	0	
E03/4	1.8 m lintel	0.023	95	5	5	5	3	3	0	46	1	3	E03/5	12	1.53	0.02	
E03/5	1.8 m lintel	0.022	95	5	5	5	12	9	3	72	5	3	E03/6	53	1.65	0.09	
E03/6	1.8 m lintel	0.096	85	5	5	5	53	39	14	75	5.2	3	E03/7	62	5.86	0.07	
E04/1	2.4 m lintel sag	0.24	85	5	5	5	115	102	13	124	0.1	3	LOST	0	0	0	
E04/2	2.4 m lintel sag	0.076	95	5	5	5	41	41	0	91	0.1	3	E02/1	0	0	0	
E04/3	1.8 m lintel	0.02	95	5	5	5	11	8	3	50	0.7	3	E04/4	13	1.47	0.02	
E04/4	1.8 m lintel	0.021	95	5	5	5	13	11	2	70	5	3	E10/1	49	1.51	0.09	
E15/1	2.4 m lintel sag	0.128	85	5	5	5	68	68	0	106	0.1	3	E04/1	0	0	0	
E18/1	1.8 m lintel	0.12	85	5	5	5	65	45	20	76	6.7	3	E06/1	72	5.77	0.06	
E20/1	GSIP 900x900	0.006	50	5	5	5	3	3	0	0							
F06/1	2.4 m lintel sag	0.084	95	5	5	5	47	47	0	91	0.1	3	F06/2	0			
F06/2	1.8 m lintel	0.058	95	5	5	5	16	13	3	56	1.1	3	F06/3	15	1.91	0.02	
F06/3	1.8 m lintel	0.022	95	5	5	5	15	12	3	83	3.1	3	F06/4	68	2.02	0.09	
F06/4	2.4 m lintel	0.122	85	5	5	5	68	46	22	86	3.1	3	F06/5	78	2.02	0.1	

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by

LAND DEVELOPMENT CERTIFICATES

Signature..........

PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



Plans and specifications referenced in certificate no. **17799**
Christopher Louis Wahbe
Registered Certifier Registration No. 38167
Subdivision BDC 3015

Land Development
Certificates www.LDC.com.au

A	ISSUE FOR INFORMATION		KE/DG	NJ	DG	MS	28/07/22
	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:

 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, ROAD A102
PIT SCHEDULE
SHEET 3

PROJECT No:
9985-12

SHEET No:
CC22413

AZIMUTH: M.G.A.94

DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: **9985-12-CC22413**

A

DESIGN STORM 10% AEP HYDRAULIC RESULTS																					
PIPE NAME (-)	PIPE DIAMETER (mm)	PIPE TYPE (-)	PIPE LENGTH (m)	PIPE GRADE (%)	CRITICAL STORM (min)	PEAK FLOW (L/s)	CAPACITY RATIO (-)	PEAK VELOCITY (m/s)	PIPE U/S IL (m)	PIPE D/S IL (m)	PIPE D/S DROP (m)	U/S PIT Ku (-)	D/S PIT Kw (-)	PIT LOSS (Ku.V'head) (m)	WSE LOSS (Kw.V'head) (m)	U/S PIPE HGL (m)	D/S PIPE HGL (m)	HGL GRADE (%)	MINIMUM COVER (m)	MINIMUM FREEBOARD (m)	COMMENTS
C07/1 to C07/2	375	RRJ2	9	2	15	12	0.04	0.72	19.179	18.999	0.05	4.5	4.5	0.06	0	19.192	19.18	0.13	1.1	1.392	
C07/2 to C07/3	375	RRJ2	40.33	1	25	74	0.39	1.18	18.949	18.545	0.05	2.5	2.5	0.12	0.06	19.153	19.154	0	1.23	1.479	
C11/1 to C11/2	375	RRJ2	48.26	1	25	41	0.22	1	18.716	18.234	0.05	4.5	4.5	0.08	0.03	18.775	18.416	0.74	1.1	1.377	
C11/2 to C11/3	375	RRJ2	22.51	1	25	104	0.55	1.45	18.184	17.958	0.05	0.94	0.89	0.09	0.04	18.324	18.196	0.57	1.34	1.479	
C11/3 to C11/4	375	RRJ2	25.96	1	25	111	0.58	1.44	17.908	17.649	0.05	2.04	2.52	0.15	0.13	18.042	17.854	0.72	1.8	2.363	
C11/4 to C11/5	375	RRJ2	14.34	1	25	117	0.62	1.45	17.599	17.455	0.05	0.43	0.36	0.06	0.02	17.816	17.804	0.08	1.85	1.958	
C11/5 to C11/6	375	RRJ2	14.48	1	25	164	0.86	1.61	17.405	17.261	0.05	1.63	1.34	0.11	0.12	17.699	17.621	0.54	1.75	1.733	
C55/1 to C11/5	375	RRJ2	9.51	2	15	43	0.16	1.15	18.129	17.938	0.295	4.5	4.5	0.15	0.04	18.158	18.04	1.24	1.1	1.288	
C65/1 to C65/2	375	RRJ2	15.36	2.67	25	7	0.02	0.97	19.74	19.33	0.252	4.5	4.5	0.02	0	19.765	19.368	2.59	1.1	1.303	
C65/2 to C65/3	375	RRJ2	41.73	1	15	29	0.15	0.7	19.078	18.66	0.05	1.93	2.26	0.07	0.01	19.126	19.162	-0.09	1.16	1.494	
C79/1 to C79/2	375	RRJ2	14.56	3.13	15	8	0.02	1.06	19.768	19.313	0.095	4.5	4.5	0.02	0	19.793	19.354	3.02	1.1	1.321	
C79/2 to C65/2	375	RRJ2	9.01	1	15	15	0.08	0.83	19.218	19.128	0.05	2.25	2.25	0.06	0	19.257	19.199	0.64	1.1	1.364	
D01/1 to D01/2	375	RRJ2	12.18	1	15	22	0.12	0.79	18.734	18.613	0.05	4.5	4.5	0.1	0.01	18.769	18.714	0.45	1	1.218	
D01/2 to D01/3	375	RRJ2	29.19	1	15	44	0.23	1.21	18.563	18.271	0.05	3.66	3.12	0.07	0.02	18.645	18.394	0.86	1.26	1.368	
E01/1 to E01/2	375	RRJ2	11.34	3.69	25	32	0.09	1.65	19.266	18.817	0.336	1.99	2.35	0.05	0.01	19.283	18.892	3.45	1.1	1.503	
E01/2 to E01/3	375	RRJ2	26.65	5.93	20	91	0.2	2.75	18.481	18.901	0.236	1.62	1.79	0.07	0.06	18.56	17.711	3.19	1.1	1.495	
E02/1 to E02/2	375	RRJ2	16.18	3.2	25	9	0.03	1.1	19.235	18.717	0.196	4.5	4.5	0.02	0	19.261	18.76	3.1	1.1	1.304	
E02/2 to E02/3	375	RRJ2	22.35	1.27	25	18	0.08	0.96	18.521	18.238	0.035	2.6	2.35	0.05	0	18.569	18.414	0.69	1.1	1.454	
E03/1 to E03/2	375	RRJ2	11	2	15	35	0.13	1	19.712	19.492	0.05	4.5	4.5	0.12	0.02	19.736	19.638	0.89	1.1	1.292	
E03/2 to E03/3	375	RRJ2	70.37	1	25	84	0.44	1.47	19.442	18.738	0.05	4.18	3.46	0.07	0.08	19.568	19.071	0.71	1.3	1.511	
E03/3 to E03/4	375	RRJ2	51.8	1	25	96	0.51	1.48	18.688	18.17	0.05	1.49	1.28	0.1	0.05	19.042	18.947	0.18	1.94	1.968	
E03/4 to E03/5	375	RRJ2	14.76	1	25	111	0.58	1.02	18.12	17.972	0.05	0.81	0.72	0.07	0.03	18.929	18.901	0.19	2.19	2.091	
E03/5 to E03/6	375	RRJ2	24.75	1.17	25	249	1.21	2.28	17.922	17.633	0.197	1.82	1.5	0.19	0.38	18.736	18.216	2.1	1.1	1.456	
E04/1 to E04/2	375	RRJ2	11	2	25	77	0.29	1.19	19.382	19.162	0.05	4.5	4.5	0.2	0.11	19.445	19.442	0.03	1.1	1.175	
E04/2 to E04/3	375	RRJ2	57.09	1	20	123	0.65	1.54	19.112	18.541	0.05	2.24	2.66	0.14	0.17	19.338	19.205	0.23	1.3	1.377	
E04/3 to E04/4	375	RRJ2	16.84	1	15	109	0.57	1.2	18.491	18.322	0.05	0.91	0.82	0.08	0.04	19.173	19.122	0.3	1.82	1.778	
E15/1 to E04/4	375	RRJ2	22.75	2.65	25	59	0.19	1.59	19.492	18.89	0.617	4.5	4.5	0.11	0.07	19.543	19.122	1.85	1.1	1.28	
E18/1 to E01/2	375	RRJ2	9.02	1.5	25	42	0.18	1.04	18.666	18.531	0.05	4.5	4.5	0.13	0.03	18.72	18.639	0.9	1.1	1.263	
E20/1 to E01/1	375	RRJ2	30.72	4.42	15	2	0	0.74	20.65	19.292	0.05	7.51	7.51	0.01	0	20.662	19.341	4.3	1.1	1.637	
F06/1 to F06/2	375	RRJ2	11.09	1	15	42	0.22	0.92	19.931	19.821	0.05	4.5	4.5	0.11	0.03	20.025	19.946	0.71	1.1	1.235	
F06/2 to F06/3	375	RRJ2	14.88	1	25	53	0.28	1.23	19.771	19.622	0.226	1.56	1.41	0.08	0.02	19.87	19.758	0.75	1.11	1.381	
F06/3 to F06/4	375	RRJ2	32.88	2.84	15	64	0.2	2.07	19.396	18.462	0.094	1.06	1.06	0.04	0.02	19.489	18.734	2.3	1.1	1.427	
F06/4 to F06/5	375	RRJ2	30.3	2.82	20	157	0.49	2.22	18.368	17.515	0.065	1.45	1.45	0.15	0.13	18.632	18.47	0.53	1.1	1.191	

DESIGN STORM 5% AEP HYDRAULIC RESULTS																					
PIPE NAME (-)	PIPE DIAMETER (mm)	PIPE TYPE (-)	PIPE LENGTH (m)	PIPE GRADE (%)	CRITICAL STORM (min)	PEAK FLOW (L/s)	CAPACITY RATIO (-)	PEAK VELOCITY (m/s)	PIPE U/S IL (m)	PIPE D/S IL (m)	PIPE D/S DROP (m)	U/S PIT Ku (-)	D/S PIT Kw (-)	PIT LOSS (Ku.Vhead) (m)	WSE LOSS (Kw.Vhead) (m)	U/S PIPE HGL (m)	D/S PIPE HGL (m)	HGL GRADE (%)	MINIMUM COVER (m)	MINIMUM FREEBOARD (m)	COMMENTS
EC/1 to EC/2	150	uPVC	27.3	1	25	22	1.09	1.25	20.736	20.463	0.703	6.01	3.66	0.09	0.21	21.049	20.596	1.66	0.6	0.376	
EC/2 to E01/1	375	RRJ2	5.15	4.06	25	22	0.06	1.33	19.76	19.951	0.152	2.09	3.24	0.06	0.01	19.488	19.611	3.44	1.1	1.465	

I hereby certify that engineering works shown on
this plan have been constructed generally in
accordance with Construction Certificate
17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

	Plans and specifications referenced in certificate no. 17799 Christopher Louis Wahbe Registered Certificate of Registration No. Categories: Contractor Subdivision BDC 3015
Land Development	
Certificates www.LDC.com.au	

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Plotted: 28 July, 2022 11:33:34 AM File Name: J:\9985D\CC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS7 - Precinct 7\Road A102\9985-12-CC22415.dwg

DESIGN STORM 1% AEP HYDRAULIC RESULTS																					
PIPE NAME (-)	PIPE DIAMETER (mm)	PIPE TYPE (-)	PIPE LENGTH (m)	PIPE GRADE (%)	CRITICAL STORM (min)	PEAK FLOW (L/s)	CAPACITY RATIO (-)	PEAK VELOCITY (m/s)	PIPE U/S IL (m)	PIPE D/S IL (m)	PIPE D/S DROP (m)	U/S PIT Ku (-)	D/S PIT Kw (-)	PIT LOSS (Ku.V'head) (m)	WSE LOSS (Kw.V'head) (m)	U/S PIPE HGL (m)	D/S PIPE HGL (m)	HGL GRADE (%)	MINIMUM COVER (m)	MINIMUM FREEBOARD (m)	COMMENTS
C07/1 to C07/2	375	RRJ2	9	2	15	23	0.09	0.68	19.179	18.999	0.05	4.5	4.5	0.09	0.01	20.136	20.135	0.01	1.1	0.953	
C07/2 to C07/3	375	RRJ2	40.33	1	20	94	0.5	1.19	18.949	18.545	0.05	2.5	2.5	0.14	0.09	20.112	20.088	0.06	1.23	0.91	
C11/1 to C11/2	375	RRJ2	48.26	1	15	43	0.23	0.94	18.716	18.234	0.05	4.5	4.5	0.12	0.04	18.867	18.876	-0.02	1.1	1.309	
C11/2 to C11/3	375	RRJ2	22.51	1	20	136	0.72	1.4	18.184	17.958	0.05	1.34	1.34	0.13	0.1	18.833	18.777	0.25	1.34	1.02	
C11/3 to C11/4	375	RRJ2	25.96	1	10	138	0.73	1.45	17.908	17.649	0.05	2.05	2.53	0.17	0.2	18.704	18.634	0.27	1.8	1.781	
C11/4 to C11/5	375	RRJ2	14.34	1	10	138	0.72	1.44	17.599	17.455	0.05	0.54	0.44	0.06	0.03	18.62	18.578	0.29	1.85	1.177	
C11/5 to C11/6	375	RRJ2	14.48	1	10	184	0.97	1.73	17.405	17.261	0.05	1.37	1.49	0.13	0.14	18.536	18.467	0.48	1.75	0.959	
C55/1 to C11/5	375	RRJ2	9.51	2	15	48	0.18	1.16	18.129	17.938	0.295	4.5	4.5	0.16	0.04	18.656	18.654	0.02	1.1	1.242	
C65/1 to C65/2	375	RRJ2	15.36	2.67	25	-15	-0.05	0.99	19.74	19.33	0.252	4.5	4.5	0.09	0	20.064	20.065	-0.01	1.1	1.298	
C65/2 to C65/3	375	RRJ2	41.73	1	15	64	0.34	0.73	19.078	18.66	0.05	2.01	2.51	0.12	0.04	20.062	20.054	0.02	1.16	0.922	
C79/1 to C79/2	375	RRJ2	14.56	3.13	20	-16	-0.05	1.15	19.768	19.313	0.095	4.5	4.5	0.09	0	20.066	20.065	0.01	1.1	1.316	
C79/2 to C65/2	375	RRJ2	9.01	1	20	-31	-0.16	0.87	19.218	19.128	0.05	2.25	2.25	0.07	0.01	20.064	20.065	-0.01	1.1	0.926	
C82/1 to C11/2	375	RRJ2	15.11	1	15	70	0.37	1.06	18.508	18.357	0.173	4.5	4.5	0.15	0.09	18.885	18.876	0.06	1.1	1.024	
D01/1 to D01/2	375	RRJ2	12.18	1	15	31	0.16	0.87	18.734	18.613	0.05	4.5	4.5	0.11	0.02	18.868	18.878	-0.08	1	1.183	
D01/2 to D01/3	375	RRJ2	29.19	1	25	67	0.35	1.3	18.563	18.271	0.05	4.2	3.05	0.14	0.05	18.863	18.854	0.03	1.26	1.205	
E01/1 to E01/2	375	RRJ2	11.34	3.69	15	42	0.11	1.73	19.236	18.817	0.336	1.91	2.23	0.07	0.02	19.287	18.903	3.39	1.1	1.485	
E01/2 to E01/3	375	RRJ2	26.65	5.93	5	104	0.23	2.78	18.481	16.901	0.236	1.6	1.77	0.1	0.08	18.56	18.365	0.73	1.1	1.458	
E02/1 to E02/2	375	RRJ2	16.18	3.2	15	12	0.03	1.18	19.235	18.717	0.196	4.5	4.5	0.04	0	19.263	18.981	1.74	1.1	1.299	
E02/2 to E02/3	375	RRJ2	22.35	1.27	25	41	0.19	0.97	18.521	18.238	0.035	2.34	2.16	0.08	0.01	18.977	18.975	0.01	1.1	1.071	
E03/1 to E03/2	375	RRJ2	11	2	15	49	0.18	1.03	19.712	19.492	0.05	4.5	4.5	0.17	0.05	20.094	20.091	0.03	1.1	1.037	
E03/2 to E03/3	375	RRJ2	70.37	1	20	123	0.65	1.54	19.442	18.738	0.05	5.23	3.34	0.17	0.17	20.044	19.955	0.13	1.3	1.058	
E03/3 to E03/4	375	RRJ2	51.8	1	5	118	0.62	1.5	18.688	18.17	0.05	1.66	1.47	0.11	0.07	19.924	19.796	0.25	1.94	1.085	
E03/4 to E03/5	375	RRJ2	14.76	1	15	113	0.59	1.1	18.12	17.972	0.05	0.85	0.68	0.07	0.03	19.771	19.733	0.26	2.19	1.242	
E03/5 to E03/6	375	RRJ2	24.75	1.17	20	275	1.34	2.49	17.922	17.633	0.197	1.9	1.47	0.2	0.43	19.571	18.837	2.97	1.1	0.623	
E04/1 to E04/2	375	RRJ2	11	2	5	89	0.33	1.2	19.382	19.162	0.05	4.5	4.5	0.21	0.15	20.408	20.389	0.17	1.1	0.287	
E04/2 to E04/3	375	RRJ2	57.09	1	5	144	0.76	1.57	19.112	18.541	0.05	2.7	2.66	0.15	0.23	20.304	20.091	0.37	1.3	0.43	
E04/3 to E04/4	375	RRJ2	16.84	1	20	121	0.63	1.22	18.491	18.322	0.05	0.95	0.82	0.09	0.04	20.051	19.983	0.4	1.82	0.892	
E15/1 to E04/4	375	RRJ2	22.75	2.65	20	84	0.27	1.66	19.492	18.89	0.617	4.5	4.5	0.19	0.13	19.995	19.983	0.05	1.1	0.894	
E18/1 to E01/2	375	RRJ2	9.02	1.5	5	44	0.19	1.05	18.666	18.531	0.05	4.5	4.5	0.13	0.04	18.726	18.644	0.91	1.1	1.255	
E20/1 to E01/1	375	RRJ2	30.72	4.42	5	3	0.01	0.78	20.65	19.292	0.05	7.51	7.51	0.01	0	20.661	19.359	4.24	1.1	1.633	
F06/1 to F06/2	375	RRJ2	11.09	1	5	59	0.31	0.95	19.931	19.821	0.05	4.5	4.5	0.12	0.07	20.068	19.981	0.78	1.1	1.179	
F06/2 to F06/3	375	RRJ2	14.88	1	15	71	0.38	1.32	19.771	19.622	0.226	1.4	1.28	0.08	0.03	19.902	19.781	0.81	1.11	1.346	
F06/3 to F06/4	375	RRJ2	32.88	2.84	5	84	0.26	2.2	19.396	18.462	0.094	1.13	1.09	0.07	0.03	19.501	19.266	0.71	1.1	1.404	
F06/4 to F06/5	375	RRJ2	30.3	2.82	5	182	0.57	2.21	18.368	17.515	0.065	1.51	1.35	0.15	0.17	19.161	18.913	0.82	1.1	0.66	

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by

LAND DEVELOPMENT CERTIFICATES

Signature..........

PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



Plans and specifications referenced in certificate no. **17799**
Christopher Louis Wahbe
Registered Certifier
No. Categories: Certifier
Subdivision
BDC 3015

Land Development
Certificates www.LDC.com.au

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS	28/07/22
	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:



WINTER
PROPERTY
GROUP

STATUS:

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CONSTRUCTION
APPROVAL

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NEWPARK
PRECINCT 7, ROAD A102
PIT SCHEDULE
SHEET 5

PROJECT No:
9985-12

SHEET No:
CC22415

AZIMUTH: M.G.A.94

DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 9985-12-CC22415

A



WYNDHAM PRINCE
ULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

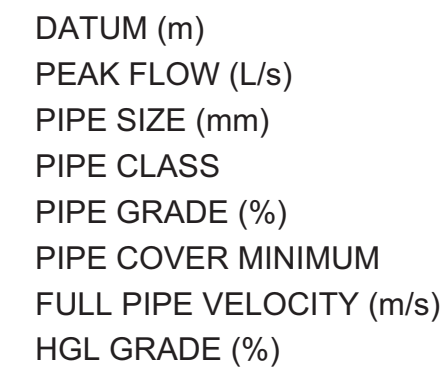
PO Box 4366 PENRITH WESTFIELD NSW 2750
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STATUS: **ISSUE FOR
CONSTRUCTION
APPROVAL**

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

NEWPARK PRECINCT 7, ROAD A102 LONGITUDINAL DRAINAGE SHEET 1				PROJECT No:		9985-12			
				SHEET No:		CC22421			
AZIMUTH: M.G.A.94		DATUM: A.H.D.		ORIGIN: SSM 1112		PLAN No: 9985-12-CC22421		A	



I hereby certify that engineering works shown on
this plan have been constructed generally in
accordance with Construction Certificate
17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature PETER ROBERT WARWICK
 PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD
 DATE 30/10/2024 REF 20260-7

FOR CONTINUATION SHEET CC22423

[illegible]

LINE D01

[illegible]

LINE E01

[illegible]

LINE E02

0	722.33	21.149 21.14	19.712 19.66	19.736
11	722.33	21.149 21.11	19.492 19.51 19.442 19.42	19.638 19.568
8.371	792.33	20.99	18.72 18.738	19.078

LINE E03



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS	28/07/22
	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.iwprince.com.au E iwp@iwprince.com.au

CLIENT:



STATUS:

STATUS: ISSUE FOR CONSTRUCTION APPROVAL

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NEWPARK
PRECINCT 7, ROAD A102
LONGITUDINAL DRAINAGE SHEET
2

PROJECT No:

9985-12

SHEET No:

CC22422

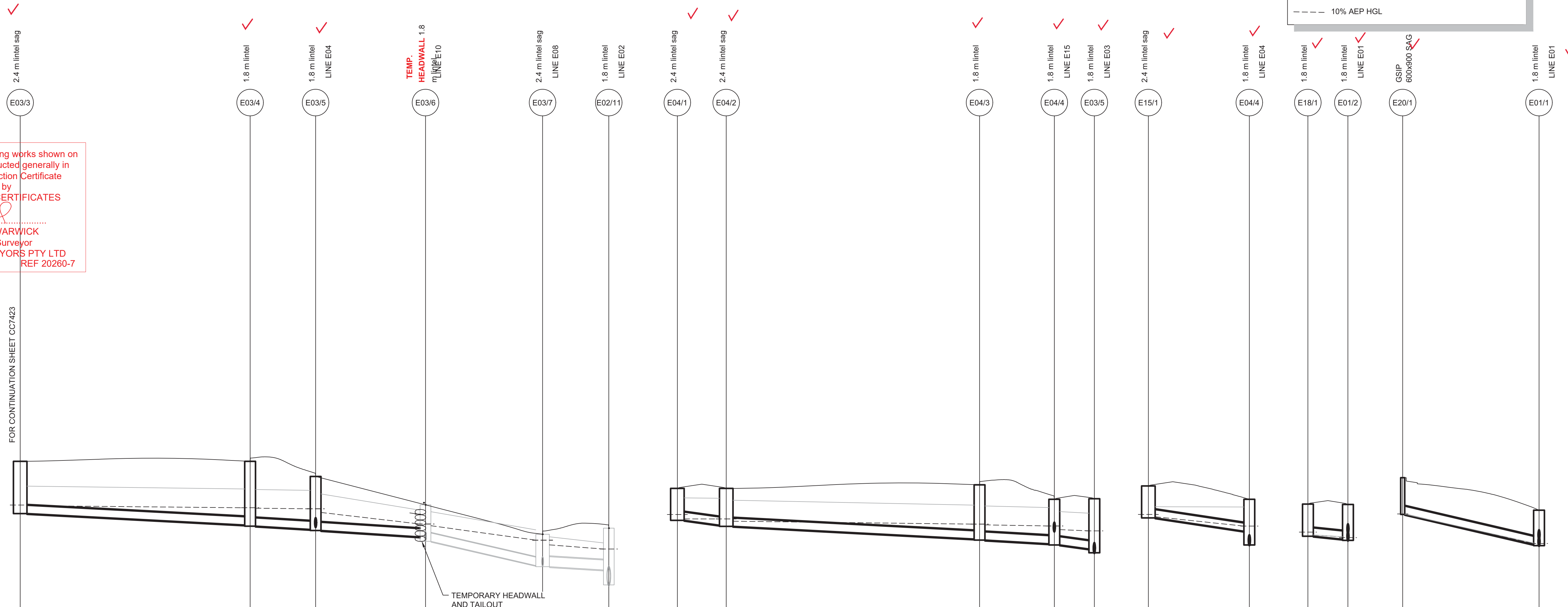
AZIMUTH:M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22422
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NOTE:

_____ 1% AEP HGL PROVIDED FOR STREET DRAINAGE AND
FOR INFORMATION ONLY.

----- 10% AEP HGL



DATUM (m)	12.00					
PEAK FLOW (L/s)	96	111	249	292	353	
PIPE SIZE (mm)	375 ✓	375 ✓	375 ✓	375	450	
PIPE CLASS	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	
PIPE GRADE (%)	1.0 1.0	1.0 0.9	1.2 1.3	4.1	1.0	
PIPE COVER MINIMUM	1.94	2.19	1.10	1.01	1.15	
FULL PIPE VELOCITY (m/s)	1.48	1.02	2.28	2.91	2.22	
HGL GRADE (%)	0.18	0.19	2.1	2.47	1.26	
WAE						
HYDRAULIC GRADE LINE	18.72 19.071 18.738 19.042	18.947 18.929	18.901 18.736	18.216 18.139	17.487 17.277	
INVERT LEVEL	18.72 18.738 18.698 16.70	18.18 18.17 18.12 18.11	17.97 17.972 17.922 17.92	17.61 17.633 17.436	16.346 16.293 16.144	
DESIGN SURFACE LEVEL	21.039 20.99	21.038 20.99	20.356 20.37	19.00 19.08	17.756 17.756	
ROAD CHAINAGE	762.33	844.05	16.48	41.24	67.63	
PIPE CHAINAGE	81.371	133.172	147.934	172.689	199.077	

0	932.33	20.819 20.87	19.382 19.40 19.13	19.445
11	932.33	20.819 20.86	19.112 19.07	19.342
0	875.24	20.983 20.99	18.53 18.541 18.491 18.52	19.21 19.178
84	875.24	20.983 20.93	18.33 18.322 18.272 18.21 18.12	19.127 18.962 18.908
94	875.24	20.983 20.93	18.33 18.322 18.272 18.21 18.12	19.127 18.962 18.908

[illegible]

0	327.40	20.116 20.18	18.666 18.72 18.591	18.721	18.639	.	.
						0.91	1.04
						1.10	1.5 1.6
						RRJ2	375 ✓
						42	13.00

0	285.96	22.305 22.32	20.65 20.64	20.662	14.00
30.717	316.31	20.838 20.84	19.292 19.38	19.341	4.3
					0.74
					1.10
					4.14.4 RRJ2
					375 ✓
					2
					14.00

LINE E03

LINE E04

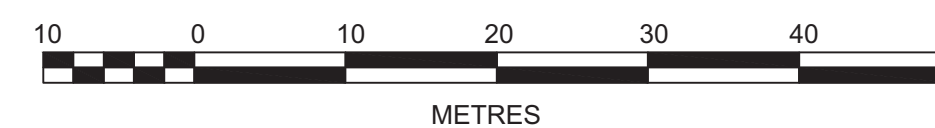
LINE E15

LINE E18

LINE E20



H 1:500 (AT A1)



V 1:100 (AT A1)



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGER

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

CLIENT:

**WINTEN
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GROUP**

STATUS: **ISSUE FOR
CONSTRUCTION
APPROVAL**

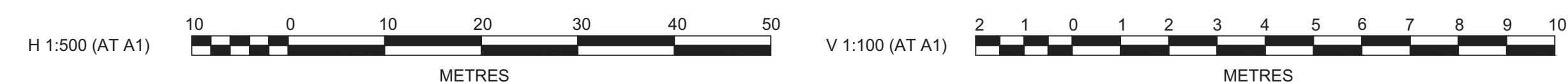
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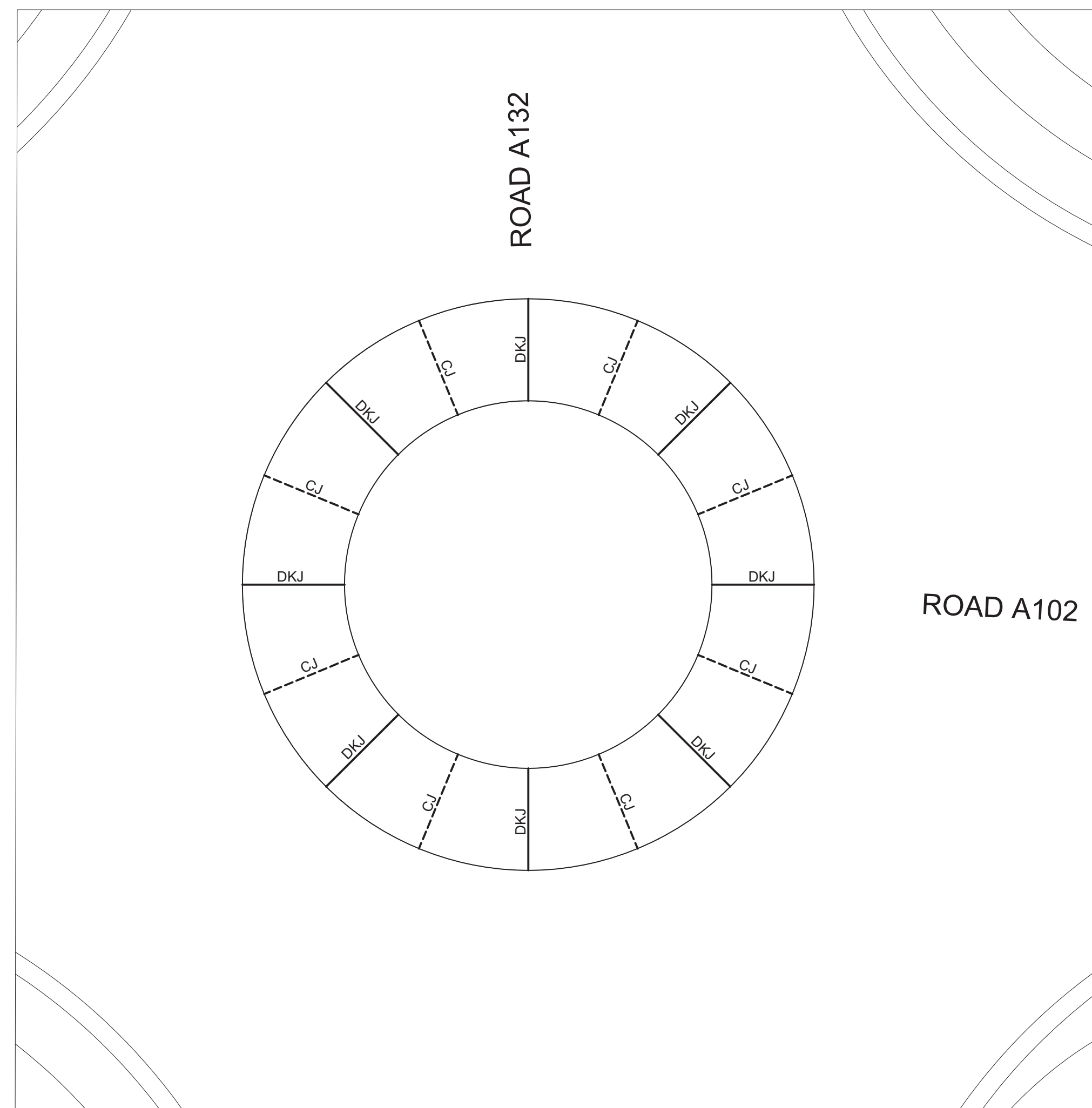
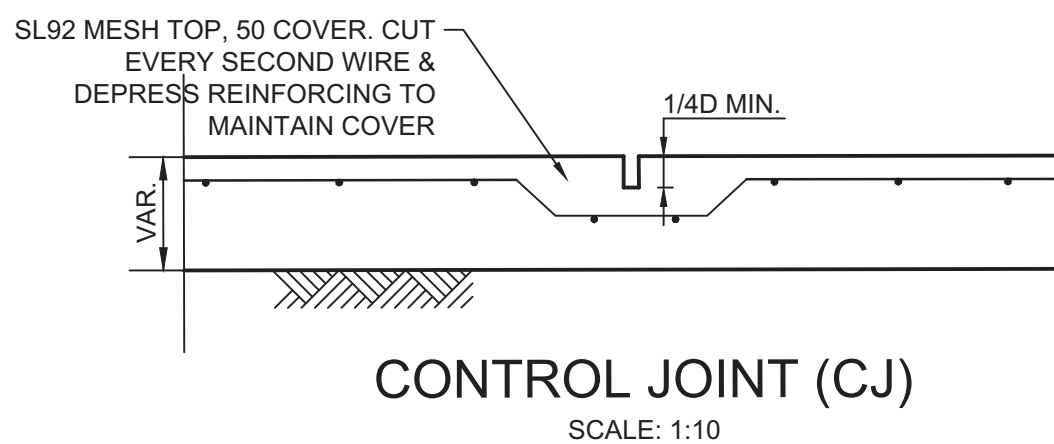
NEWPARK PRECINCT 7, ROAD A102 LONGITUDINAL DRAINAGE SHEET 3				PROJECT No:		9985-12
				SHEET No:		CC22423
AZIMUTH:M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No:	9985-12-CC22423		A



I hereby certify that engineering works shown on
this plan have been constructed generally in
accordance with Construction Certificate
17799 issued by
LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7





JOINTING PLAN
SCALE 1:100

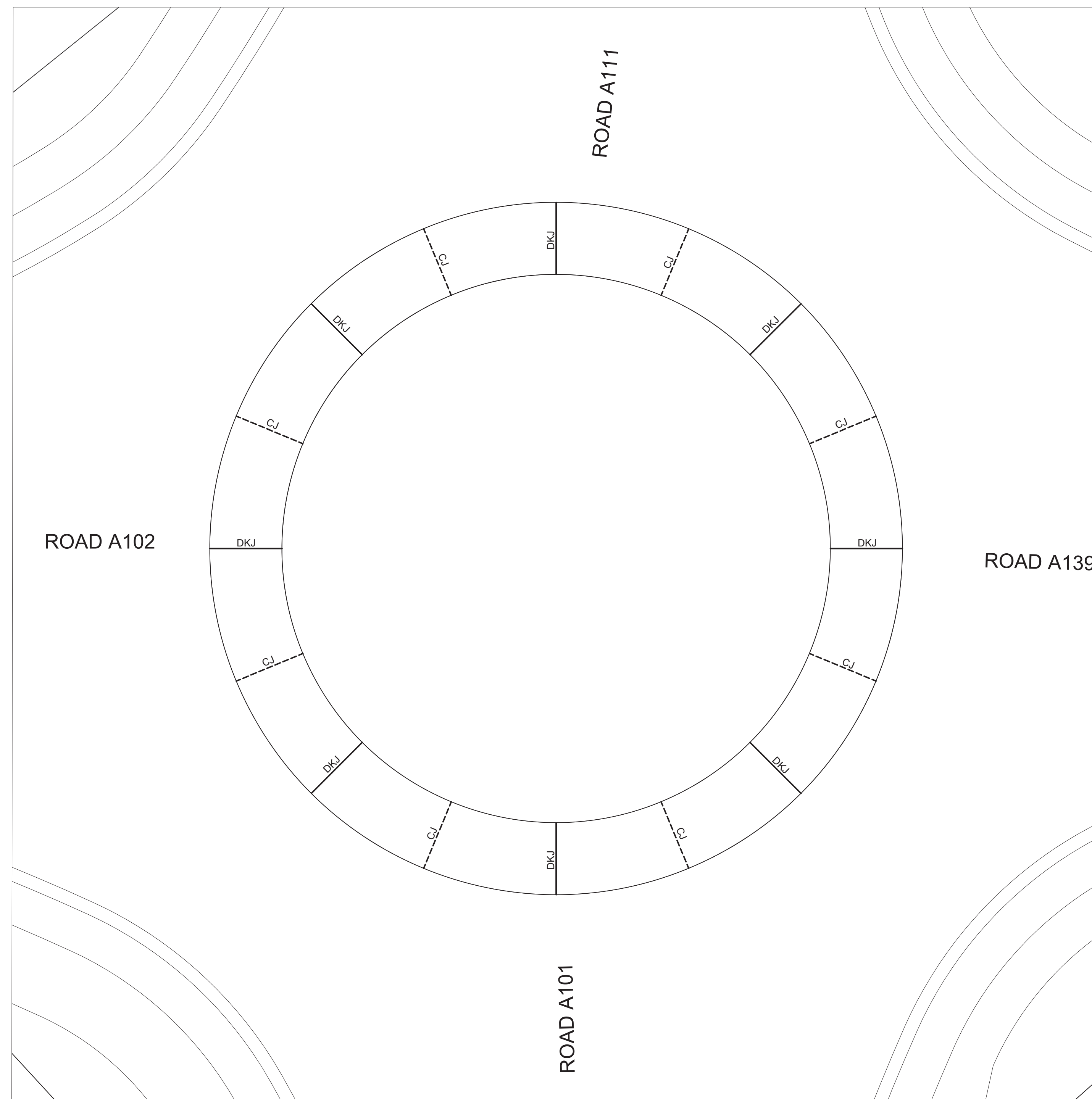
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Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260

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.

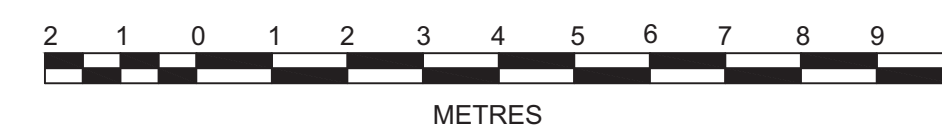
2. THE PAVEMENT DESIGN IS PRELIMINARY ONLY AND SUBJECT TO CONFIRMATION VIA ON-SITE CBR TESTING PRIOR TO IMPORTATION AND PLACEMENT OF ROAD PAVEMENT MATERIALS



JOINTING PLAN

SCALE 1:100

1:100 (AT A1)
1:200 (AT A3)



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS 28/07/22
	AMENDMENT	DES	DRN	CKD	APR DATE

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

CLIENT:



STATUS:

STATUS: ISSUE FOR CONSTRUCTION APPROVAL

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NEWPARK
PRECINCT 7, ROAD A102
JOINTING PLAN

PROJECT No.

9985-12

SHEET No:

El No: CC22501

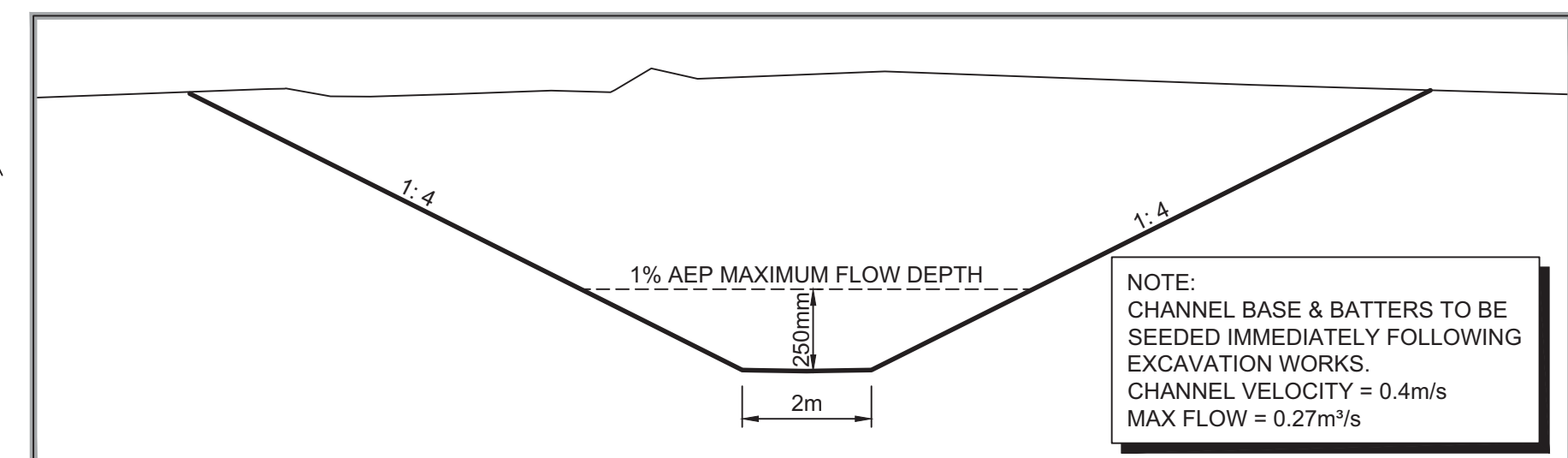
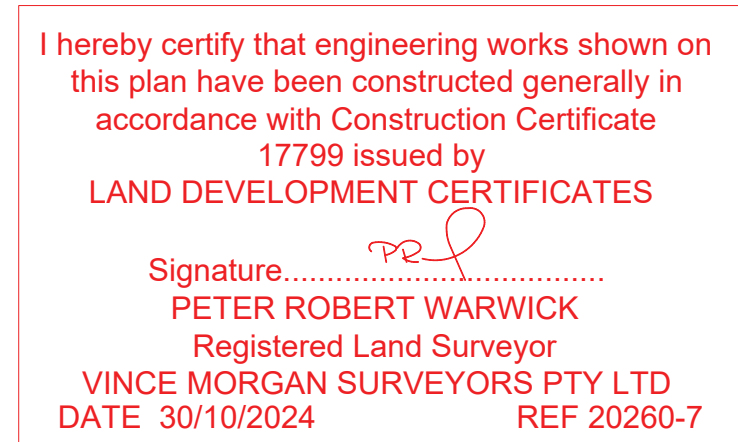
AZIMUTH: M.G.A.94

	DATUM: A.H.D.
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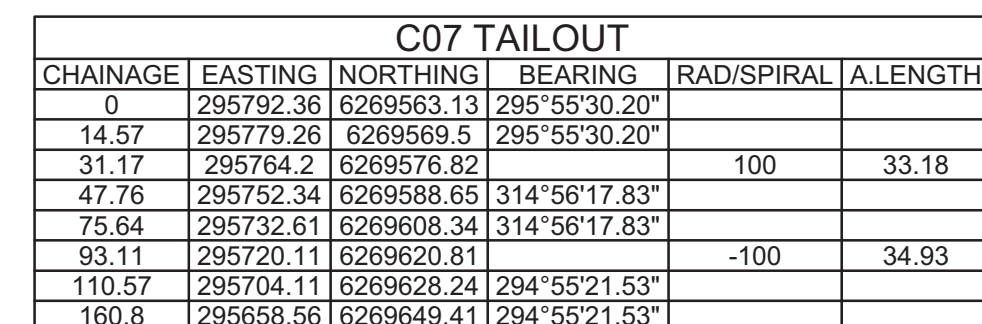
ORIGIN: SSM 1112

PLAN No:	9985-12-CC22501
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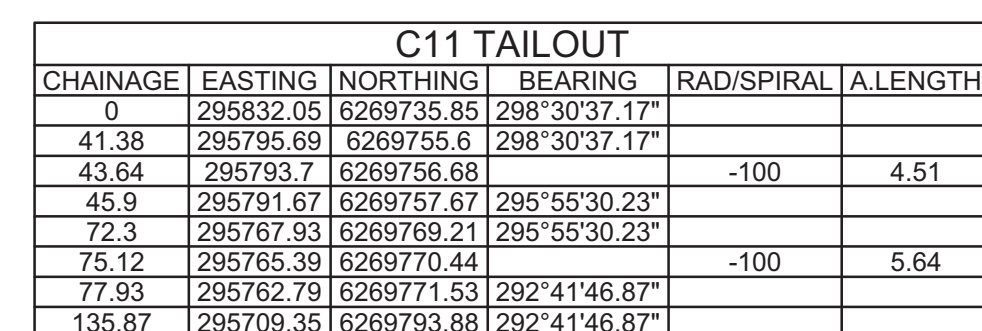
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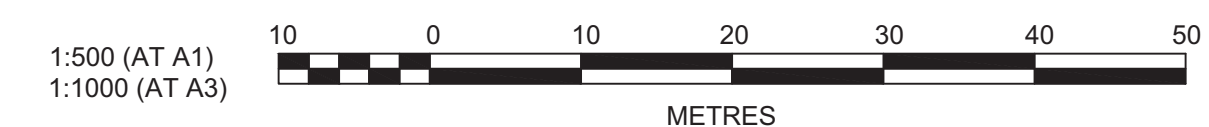
SECTION A
TAILOUT TYPICAL SECTION
NTS



D01 TAILOUT					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295914.85	6269756.94	22°08'12.63"		
0.05	295914.87	6269756.99	22°08'12.63"		
15.15	295921.96	6269774.43		-20	30.2
30.25	295905	6269782.56	295°37'25.56"		
218.07	295735.65	6269863.79	295°37'25.56"		



C65 TAILOUT			
CHAINAGE	EASTING	NORTHING	BEARING
0	295721.55	6269388.48	295°55'30.20
131.87	295602.95	6269446.13	295°55'30.20



A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
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					DATE

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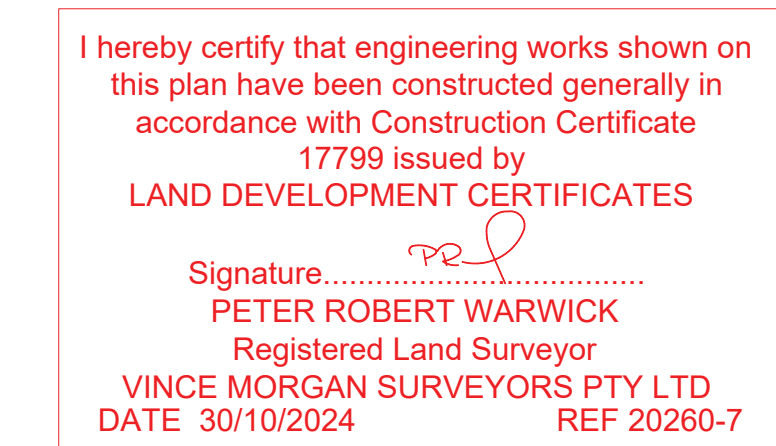
STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

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NEWPARK
PRECINCT 7, ROAD A102
TAILOUT PLAN
SHEET 1

PROJECT No:	9985-12
SHEET No:	CC22600

AZIMUTH: M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22600
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GENERAL NOTES:

- | 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. |

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

- STOCKPILE NOTES:

- ## SEDIMENTATION CONTROL DEVICES:

1. 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 CENTRELINE.
2. 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.
3. PROVIDE STRIP OF TURF MIN. 300mm WIDE BEHIND KERB + 1m WIDE AROUND ALL SURFACE INLET PITS

12. LITTER, DEBRIS AND COARSE SEDIMENT SHALL BE REMOVED FROM THE GROSS POLLUTANT TRAPS AND TRASH RACKS AS REQUIRED.

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

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AZIMUTH: M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 9985-12-CC22700
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	Plans and specifications referenced in certificate no. 17799 Christopher Louis Wahbe Registered Certified Professional Engineer Subdivision BDC 3015
Land Development Certificates www.LDC.com.au	

Plotted: 28 July, 2022 11:38:27 AM File Name: J:\9985D\CC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS7 - Precinct 7\Road A102\9985-12-CC22701.dwg

1. Site Data Sheet

Site Name: NEWPARK PRECINCT 7G

Site Location: MARSDEN PARK

Precinct: BLACKTOWN CITY COUNCIL

Description of Site: SEDIMENT BASIN TO SUPPORT THE PRECINCT 7GSUBDIVISION CONSTRUCTION

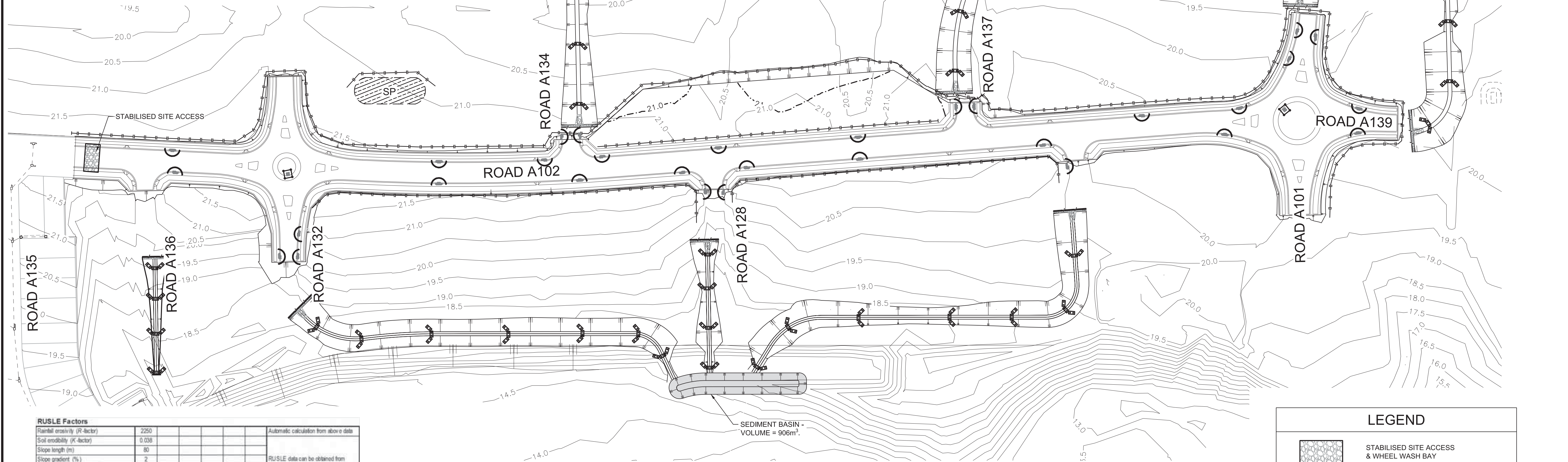
Site area	P7G	Site	Remarks
Total catchment area (ha)	5.28		
Disturbed catchment area (ha)	5.28		

Soil analysis

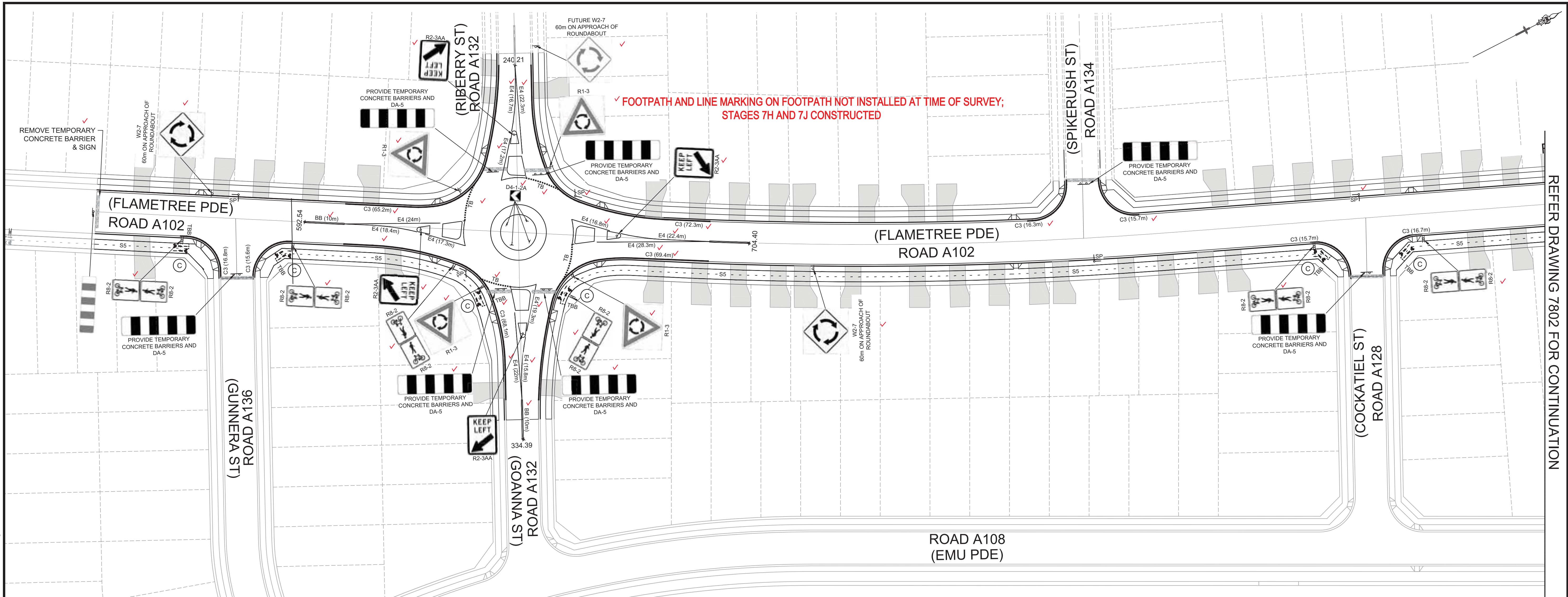
% sand (fraction 0.02 to 2.00 mm)				Soil texture should be assessed through mechanical dispersion only. Dispensing agents (e.g. Calgon) should not be used
% silt (fraction 0.002 to 0.02 mm)	25			
% clay (fraction finer than 0.002 mm)	75			
Dispersion percentage	100.0			E.g. enter 10 for dispersion of 10%
% of whole soil dispersible	87.5			See Section 6.3.3(e)
Soil Texture Group	D			See Section 6.3.3(c), (d) and (e)

Rainfall data

Design rainfall depth (days)	5			See Sections 6.3.4 (d) and (e)
Design rainfall depth (percentile)	85			See Sections 6.3.4 (f) and (g)
x-day, y-percentile rainfall event	32.2			See Section 6.3.4 (h)
Rainfall intensity: 2-year, 6-hour storm	10.1			See IFD chart for the site



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REFER DRAWING 7802 FOR CONTINUATION

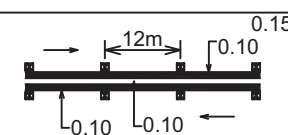
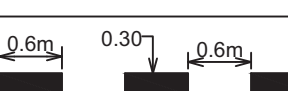
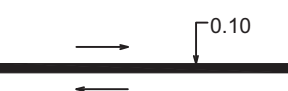
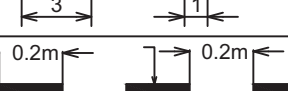
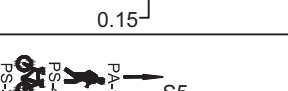
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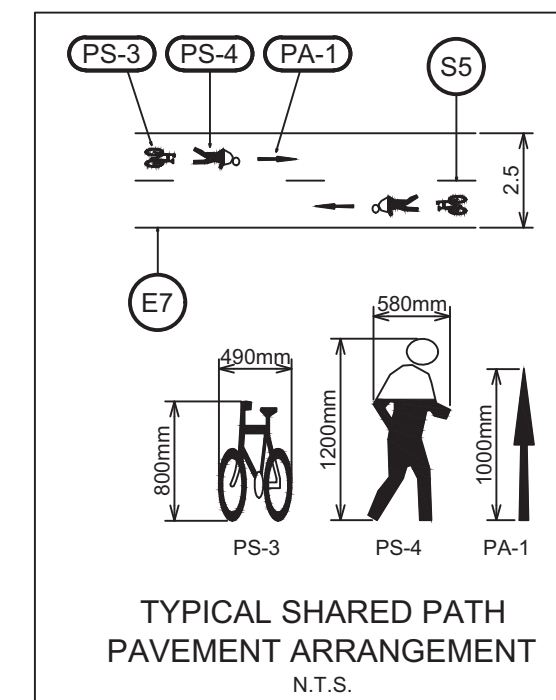
1. ALL PAVEMENT MARKINGS, CHEVRONS AND REFLECTORS ARE TO BE IN ACCORDANCE WITH AUSTRROADS GUIDE TO TRAFFIC MANAGEMENT PART 6 AND AUSTRALIAN STANDARDS, AS1742.9 AND AS1743.
2. ALL SIGNS TO BE IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD; AS 1743 - ROAD SIGNS AND COUNCIL'S SPECIFICATION UNLESS OTHERWISE 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.

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

Signature: 
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

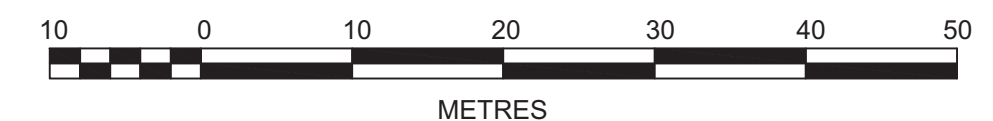
PAVEMENT MARKING SCHEDULE

CODE	USE	STYLE	COLOUR & TYPE
BB	Barrier line where sight is restricted in both directions or approach to median island		Reflectorised white type 'Y' pavement markers bi-directional reflective yellow
C3	Kerbside Linemarking for No-Stopping Restrictions		Reflectorised yellow
E4	Outline of traffic island or freeway ramp gore		Reflectorised white type 'Y' OR 'R' pavement markers mono-directional reflective yellow or red
TB	Give way line (Used with Signs)		Reflectorised white
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
C	Shared Path		Reflectorised white



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

1:500 (AT A1)
1:1000 (AT A3)



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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:



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NEWPARK
PRECINCT 7, ROAD A102
SIGNAGE & LINE MARKING PLAN
SHEET 1

PROJECT No:

9985-12

SHEET No:

CC22801

AZIMUTH: M.G.A.94

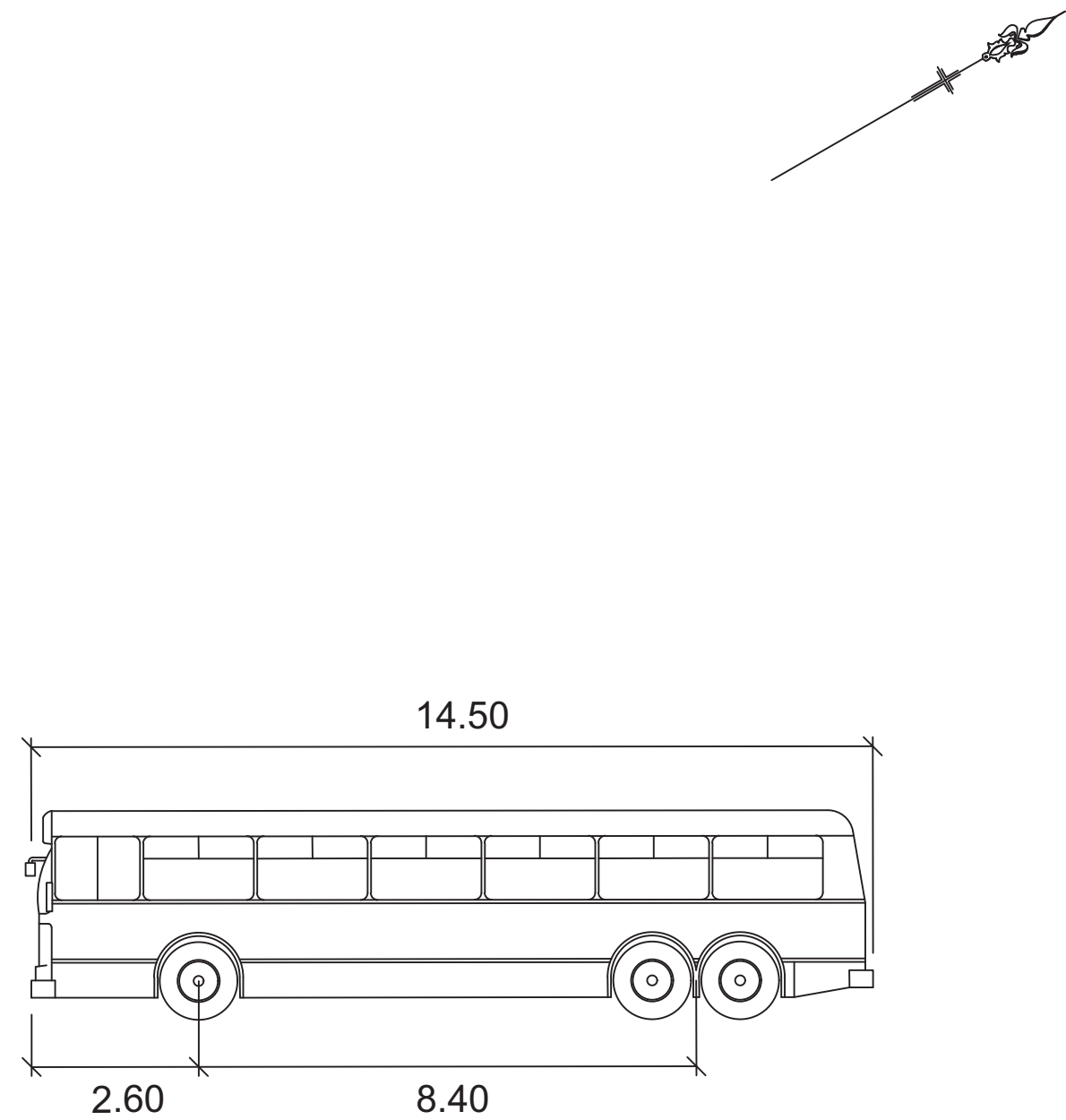
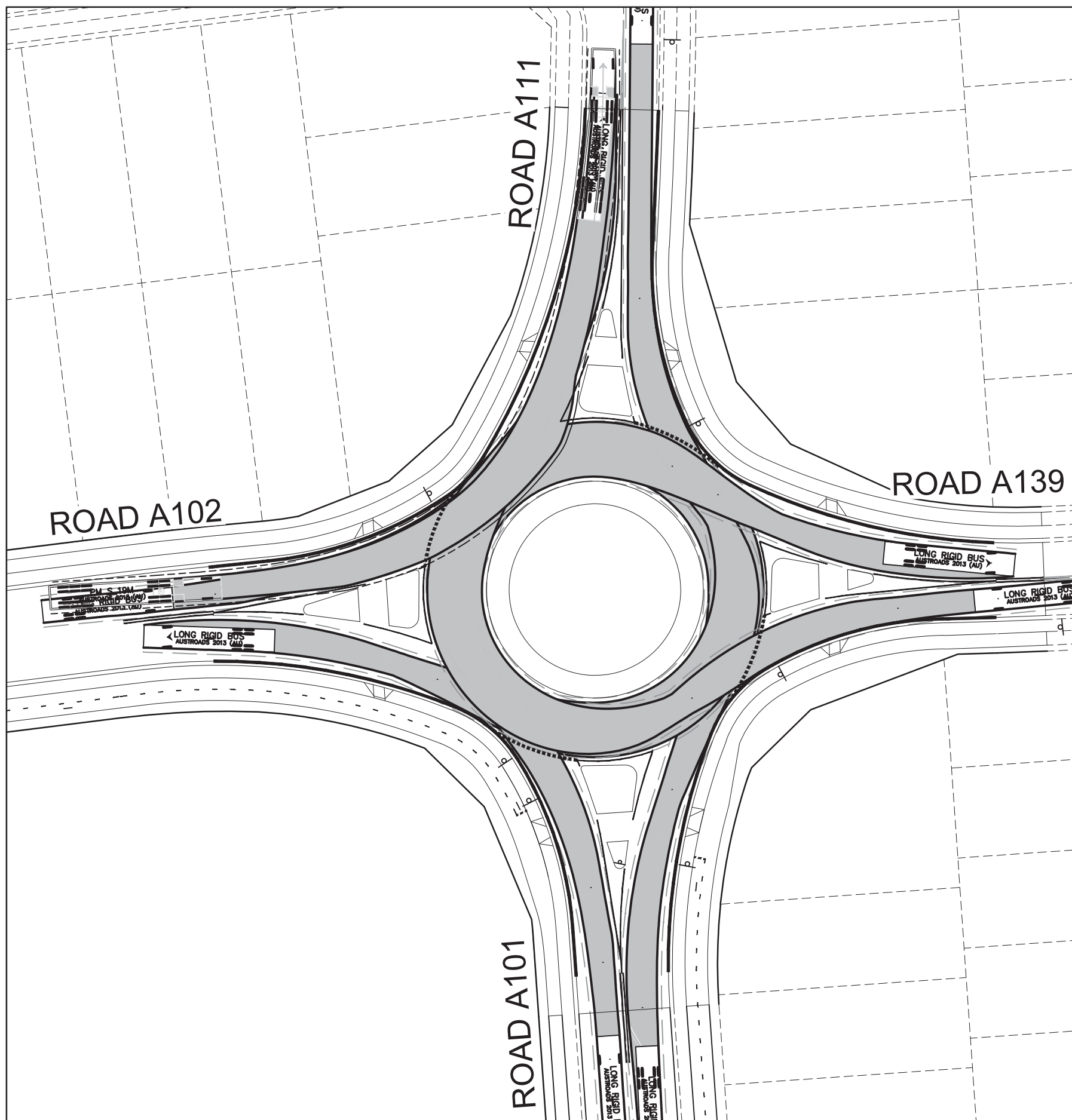
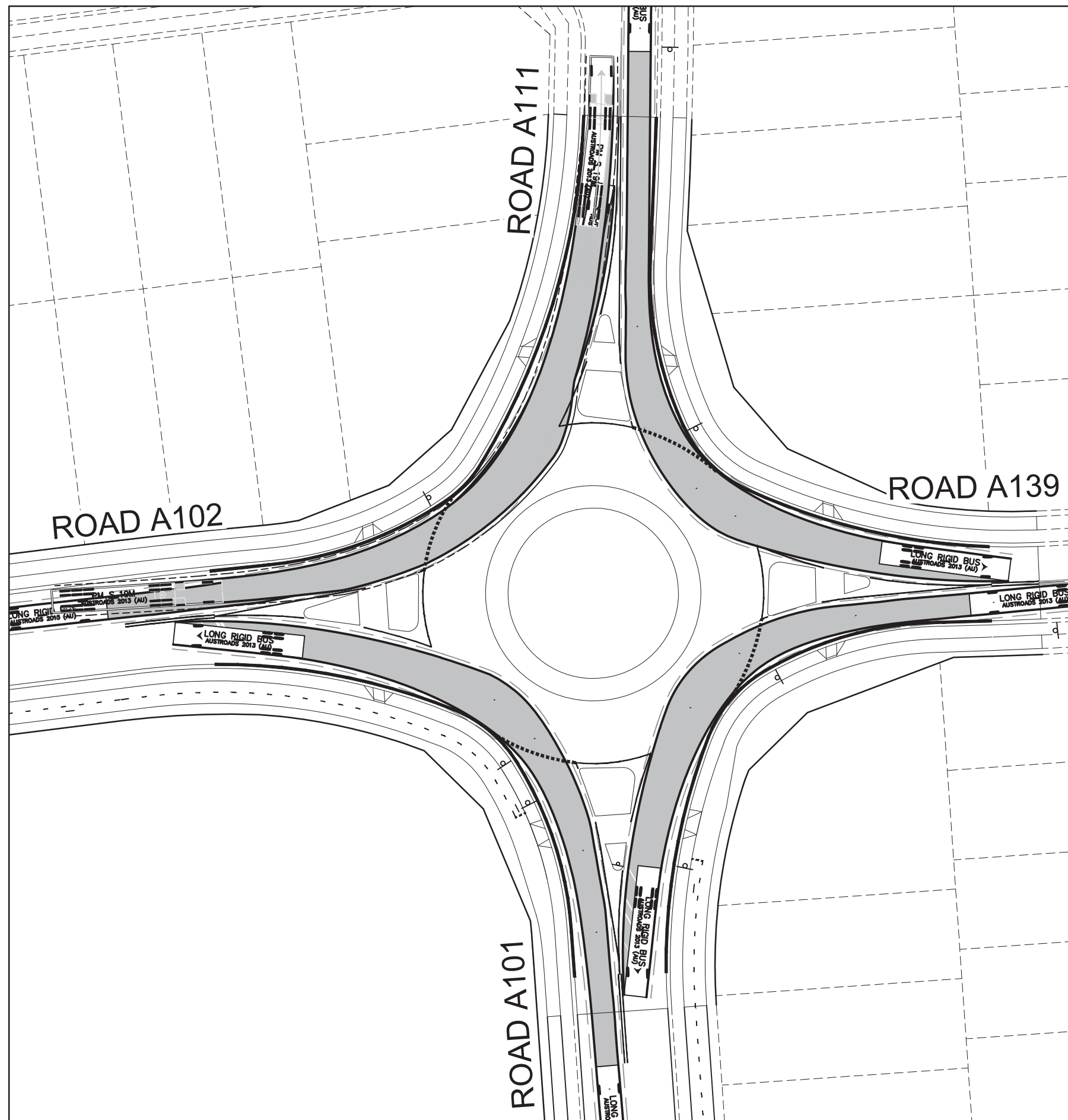
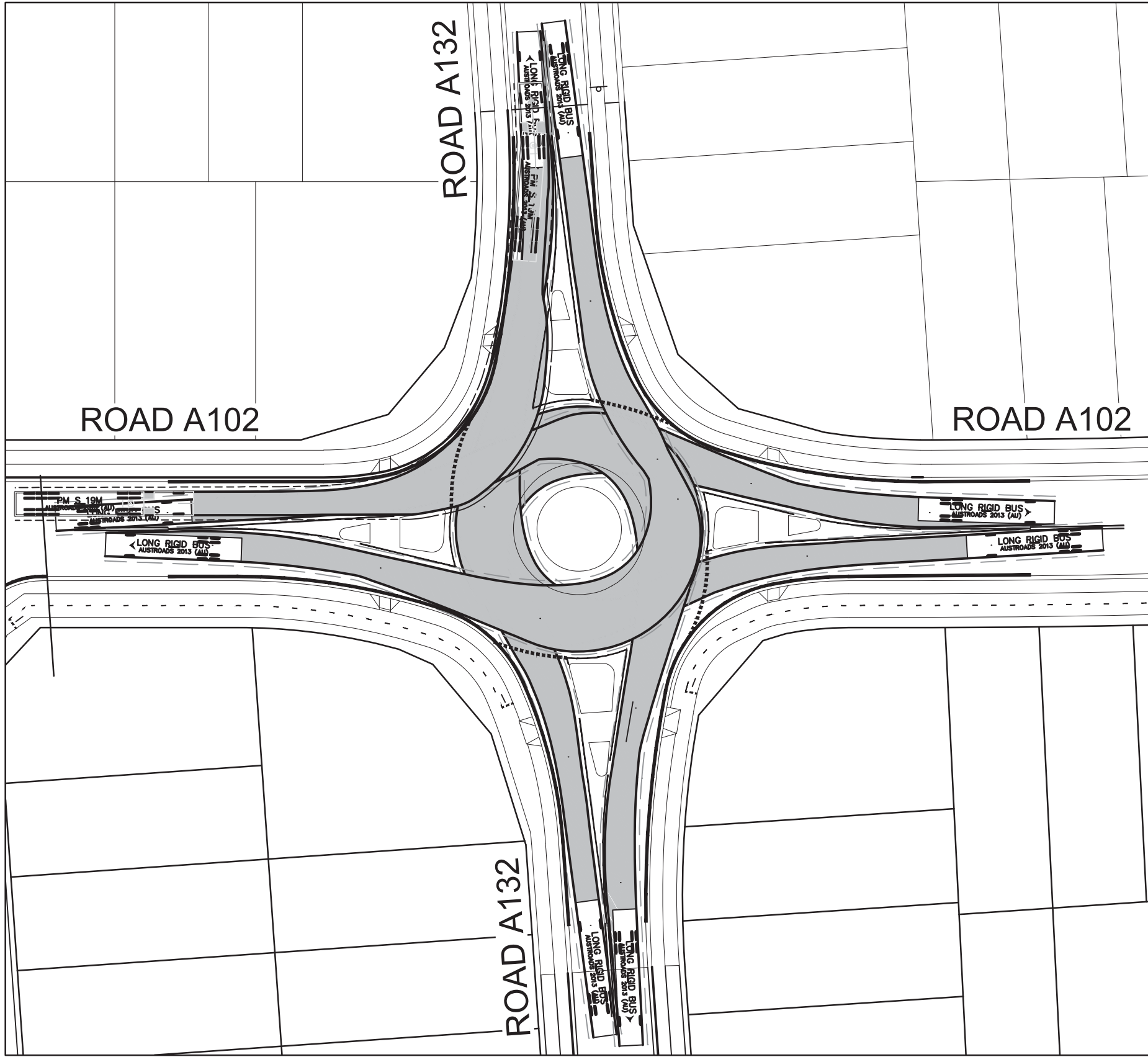
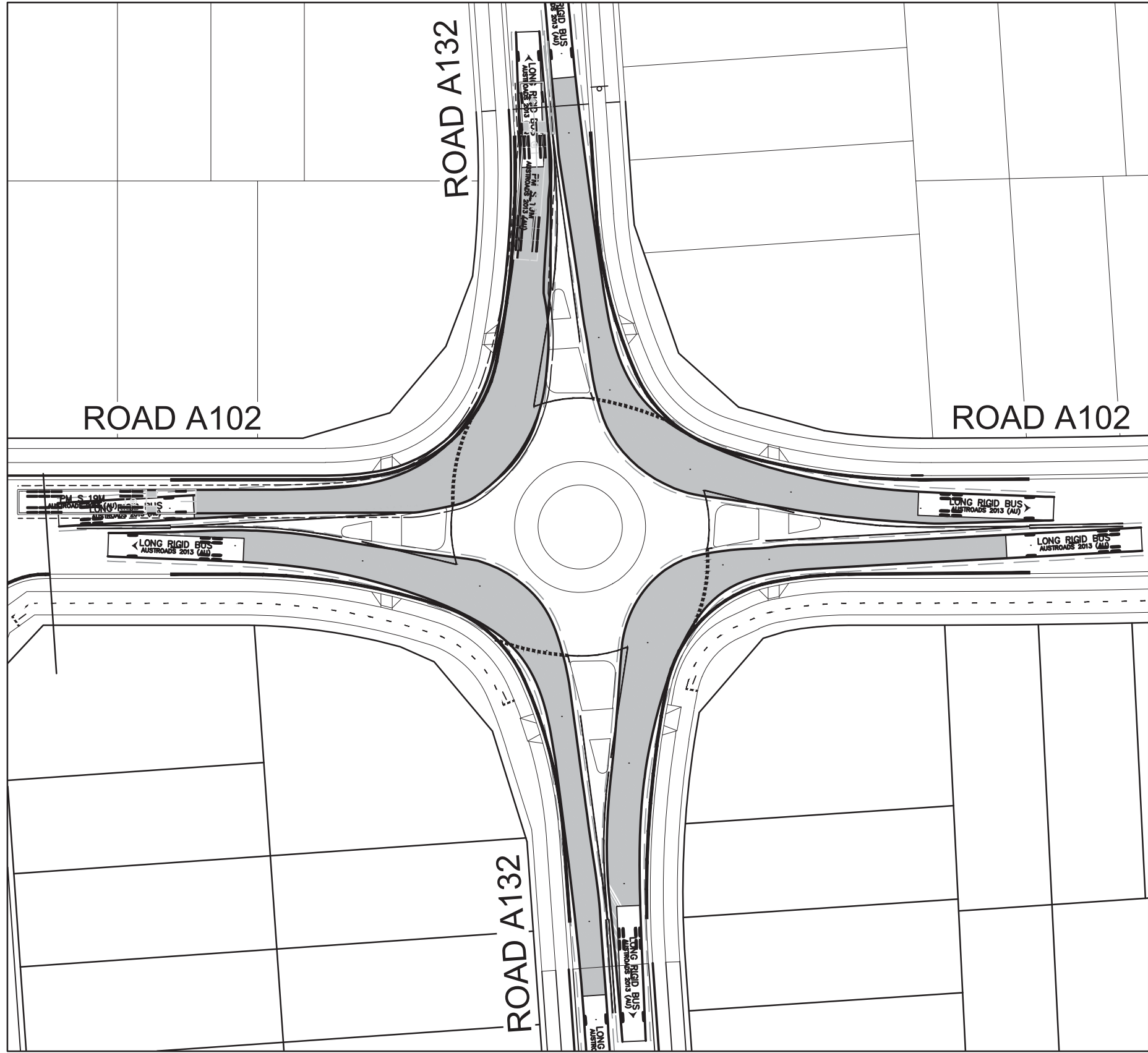
DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 9985-12-CC22801

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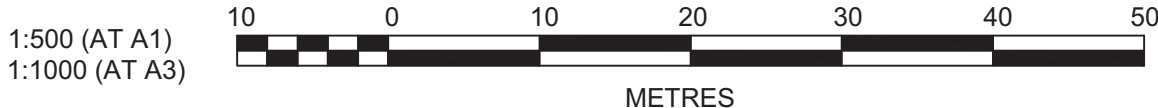


LONG RIGID BUSmeters

Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 46.4

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by LAND DEVELOPMENT CERTIFICATES

Signature.....
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7



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J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

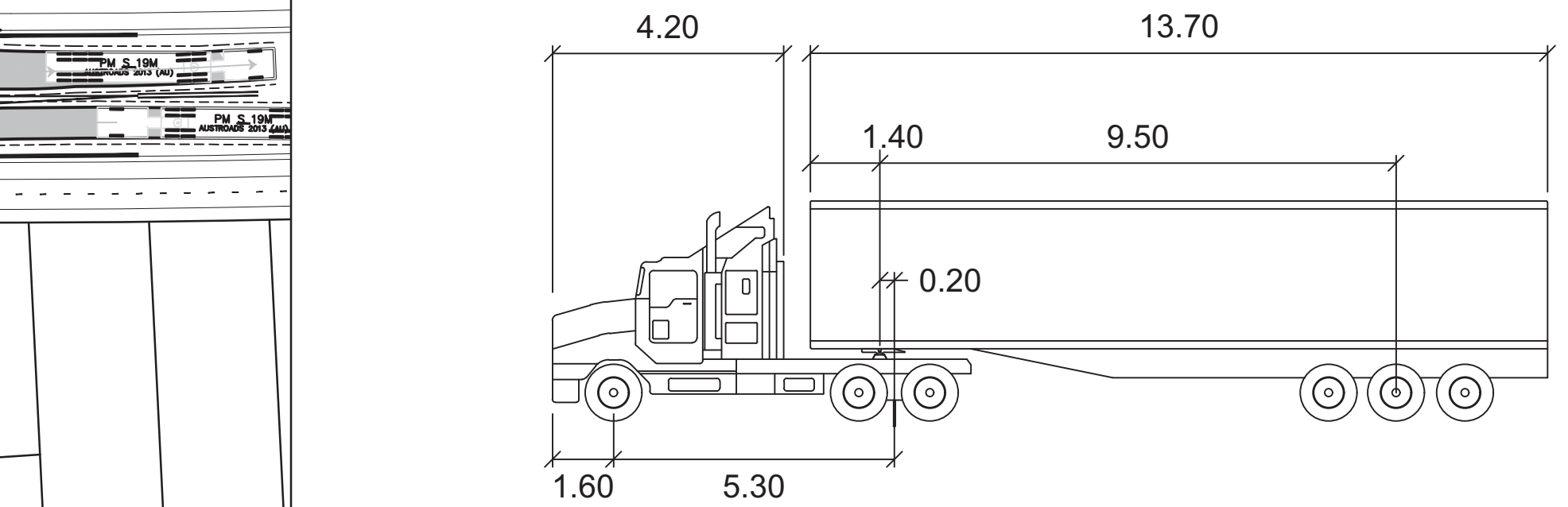
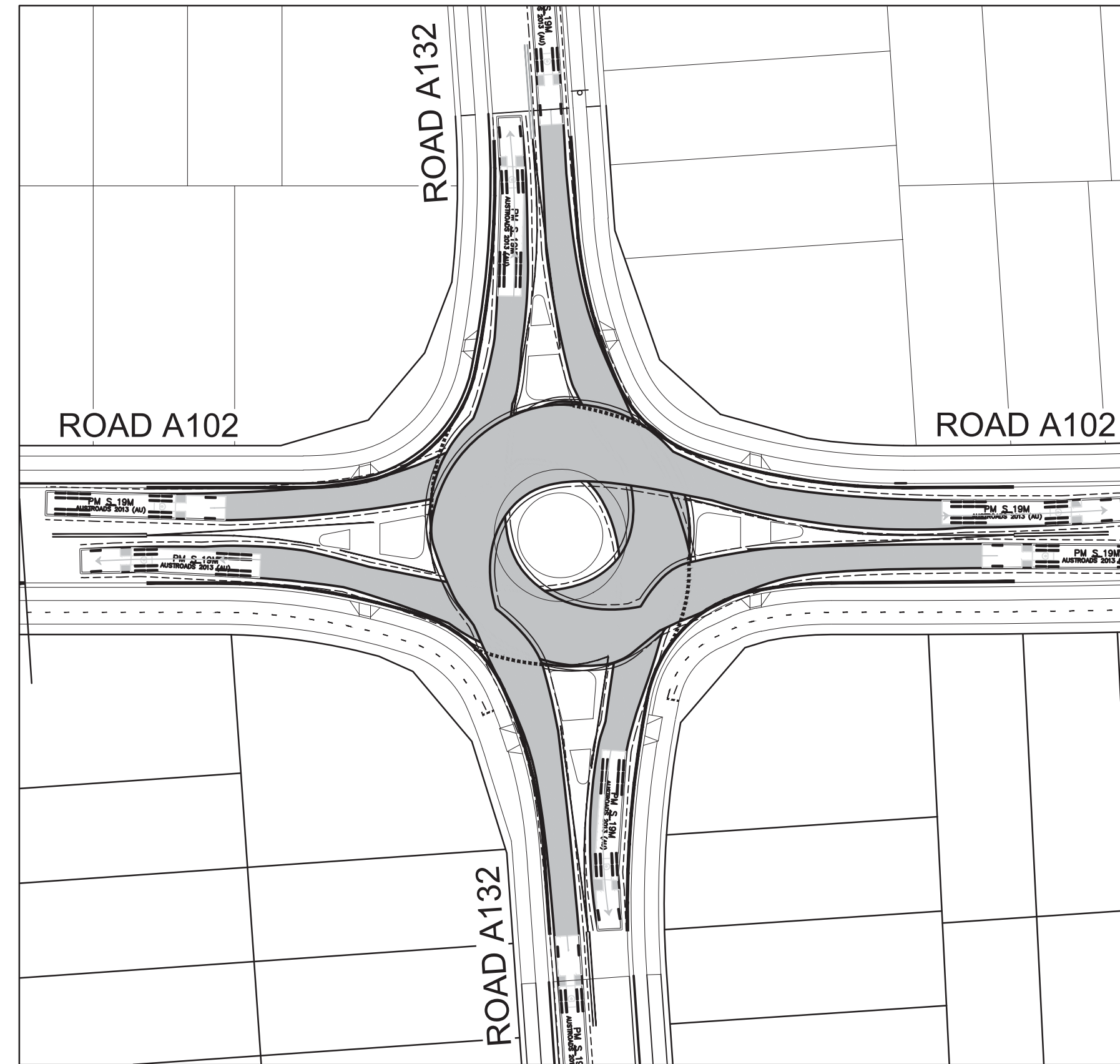
PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au



STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

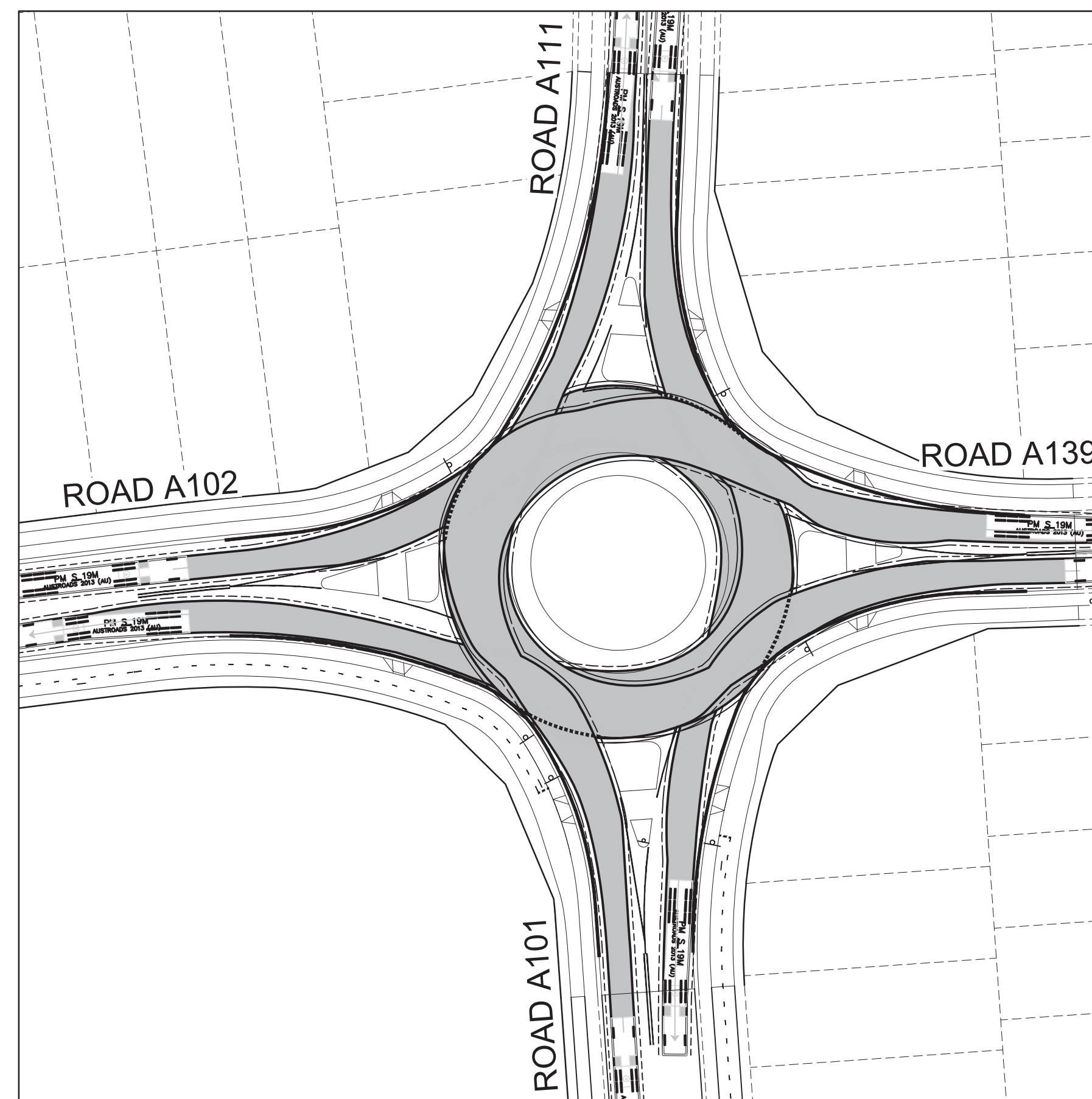
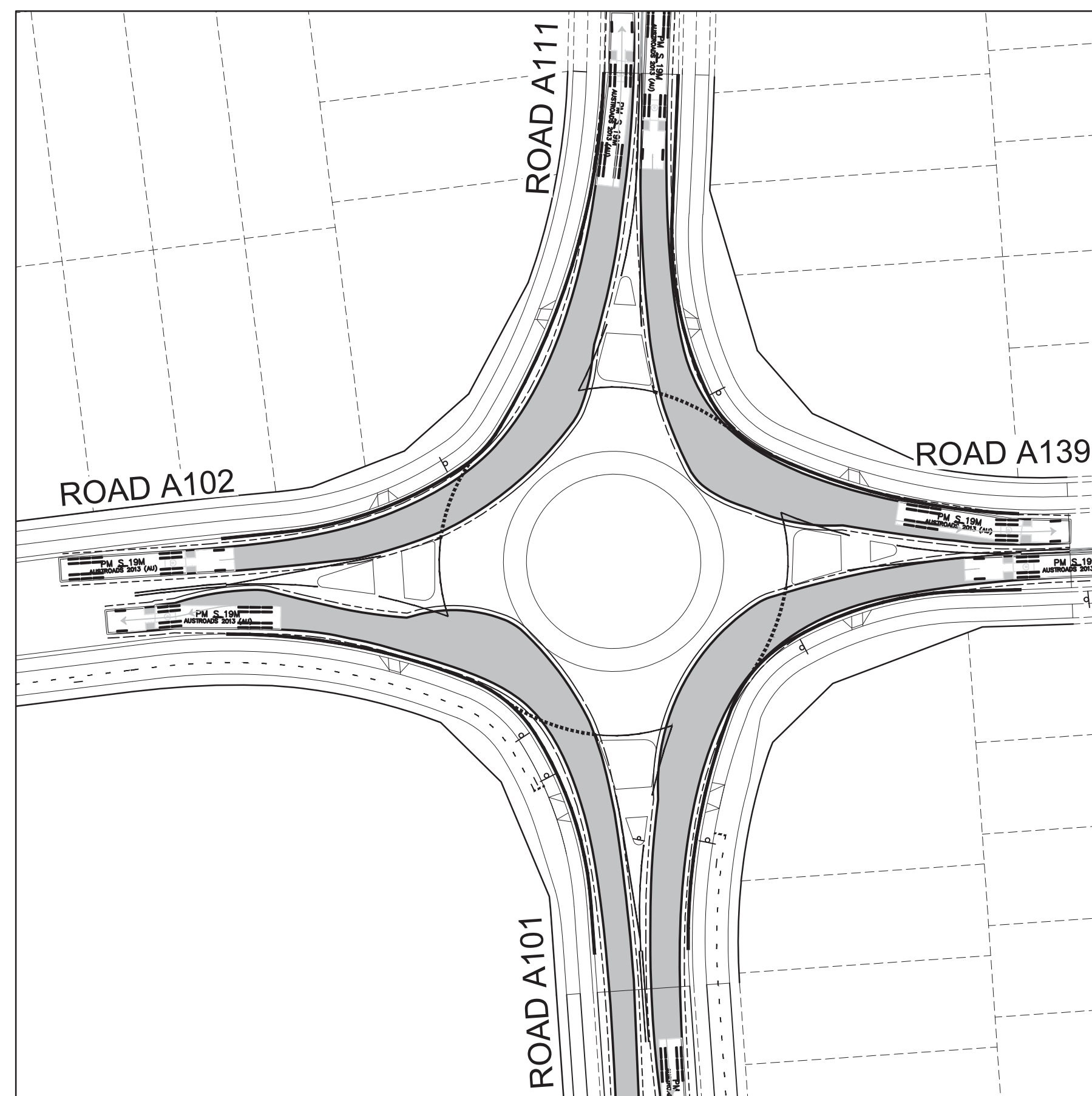
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

NEWPARK PRECINCT 7, ROAD A102 TURNING PATHS SHEET 1				PROJECT No: 9985-12	
				SHEET No: CC22803	
AZIMUTH: M.G.A.94		DATUM: A.H.D.		ORIGIN: SSM 1112	
PLAN No: 9985-12-CC22803				A	



PM S 19M

	Tractor Width	: 2.50	Lock to Lock Time	: 6.0
	Trailer Width	: 2.50	Steering Angle	: 27.8
	Tractor Track	: 2.50	Articulating Angle	: 70.0
	Trailer Track	: 2.50		



I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 17799 issued by

LAND DEVELOPMENT CERTIFICATES

Signature..... 

PETER ROBERT WARWICK
Registered Land Surveyor

VINCE MORGAN SURVEYORS PTY LTD
DATE 30/10/2024 REF 20260-7

A	ISSUE FOR INFORMATION	KE/DG	NJ	DG	MS
	AMENDMENT	DES	DRN	CKD	APR
					DATE

J. WYNDHAM PRINCE
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CLIENT:

 WINTEN
PROPERTY
GROUP

STATUS: **ISSUE FOR
CONSTRUCTION
APPROVAL**

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SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

NEWPARK PRECINCT 7, ROAD A102 TURNING PATHS SHEET 2				PROJECT No: 9985-12	
				SHEET No: CC22804	
AZIMUTH: M.G.A.94	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No:	9985-12-CC22804	A

