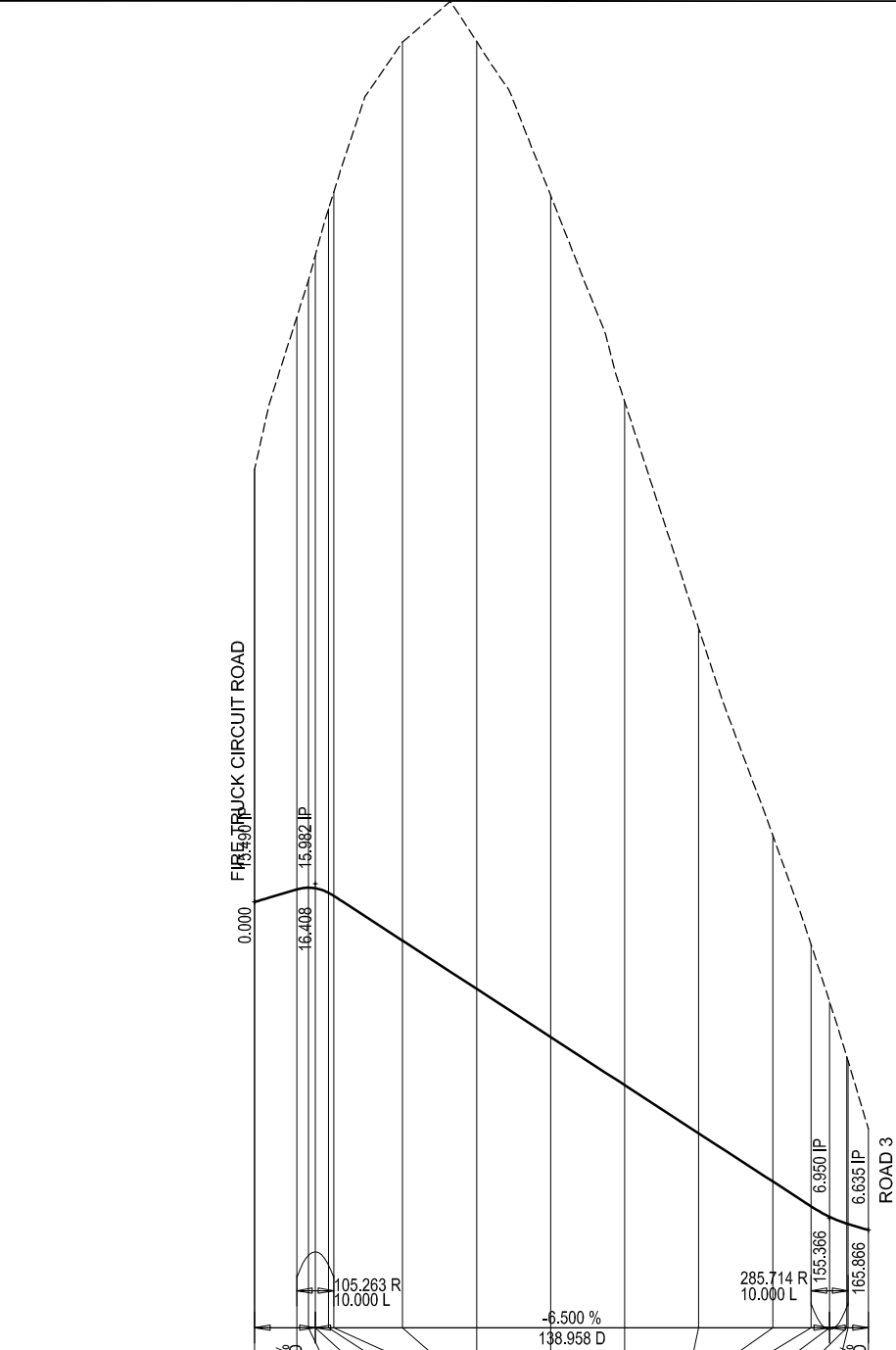
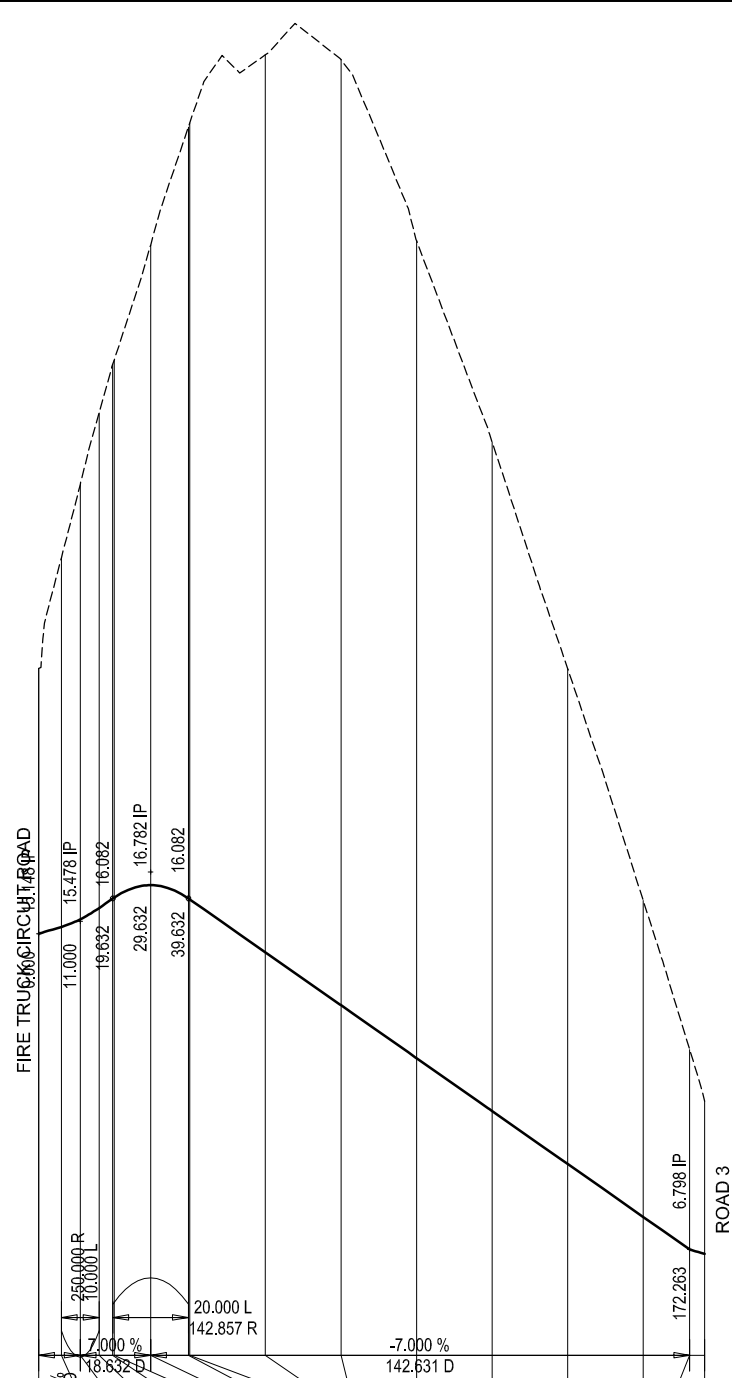


			<div>Knobel Consulting Pty Ltd</div> <div><div><div>KC</div></div><div>ENGINEERS - PROJECT MANAGERS</div></div>	CLIENT PROPORTIONAL PROPERTY INVESTMENTS PTY LTD			DESIGN TP	DRAWN AA	APPROVED	TITLE PRELIMINARY ROADWORKS LONGITUDINAL SECTIONS SHEET 1 OF 5 SCALE 1:1000 AT A1(1:2000 AT A3) 1:100 AT A1(1:200 AT A3) 0 20 40 60 80 100m HOR 0 2 4 6 8 10m VERT	PROJECT NO. K1868
						PROJECT TOURIST ACCOMMODATION KIRKWOOD ROAD, TWEED HEADS SOUTH, NSW				DWG NO. P030	ISSUE A
A	23-03-12	ISSUED FOR REPORT	Phone: 07 5576 4168 Fax: 07 5576 6477 Email: eng@knobelconsulting.com.au		6/109 West Burleigh Road Burleigh Heads QLD 4220 ABN 33 071 435 202						
ISSUE No.	DATE	AMENDMENT									



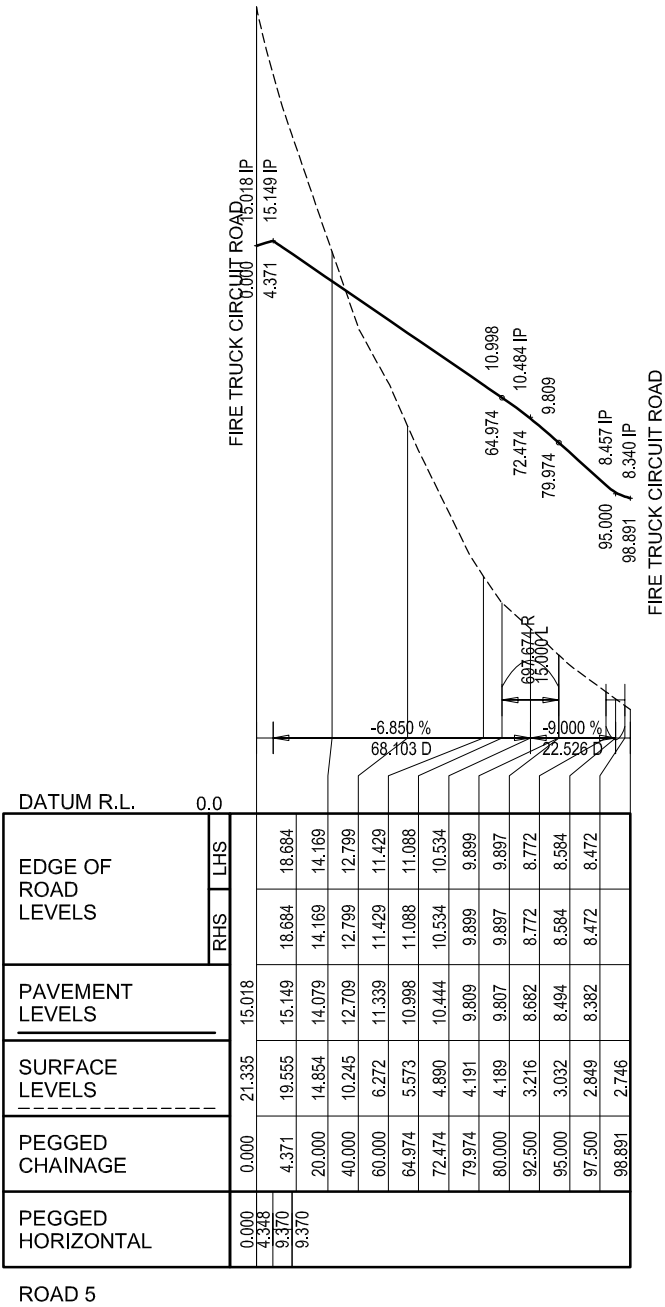
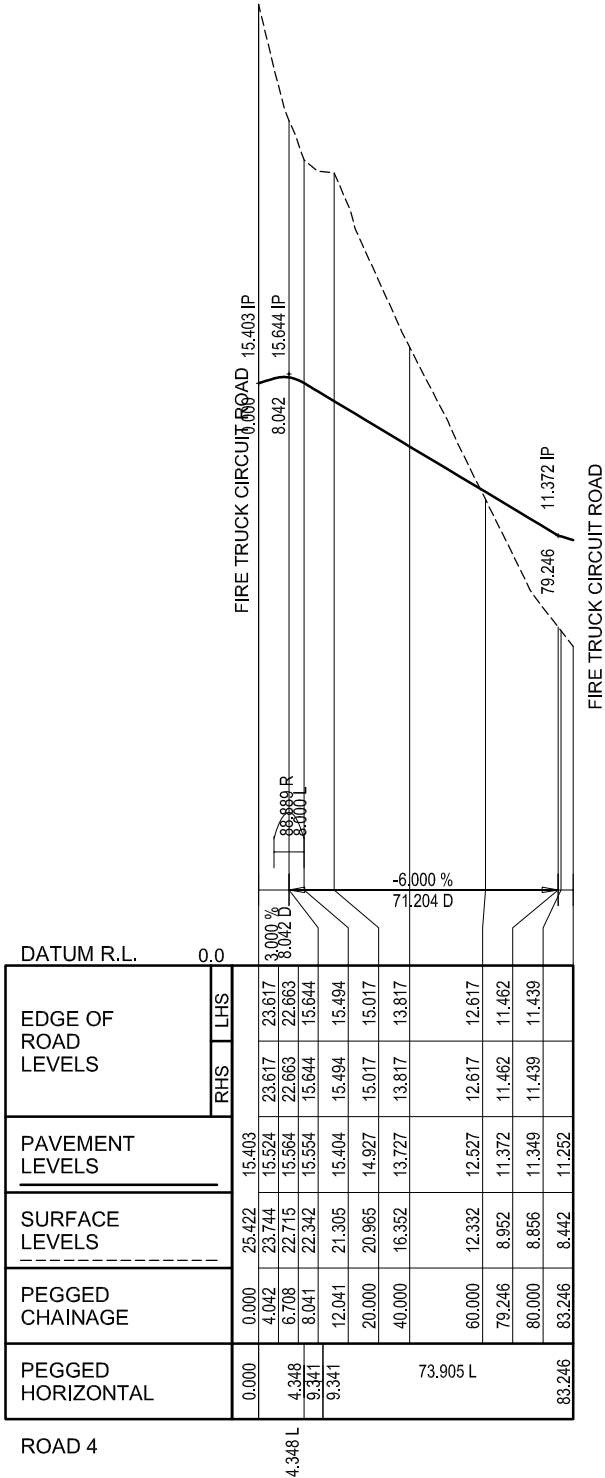
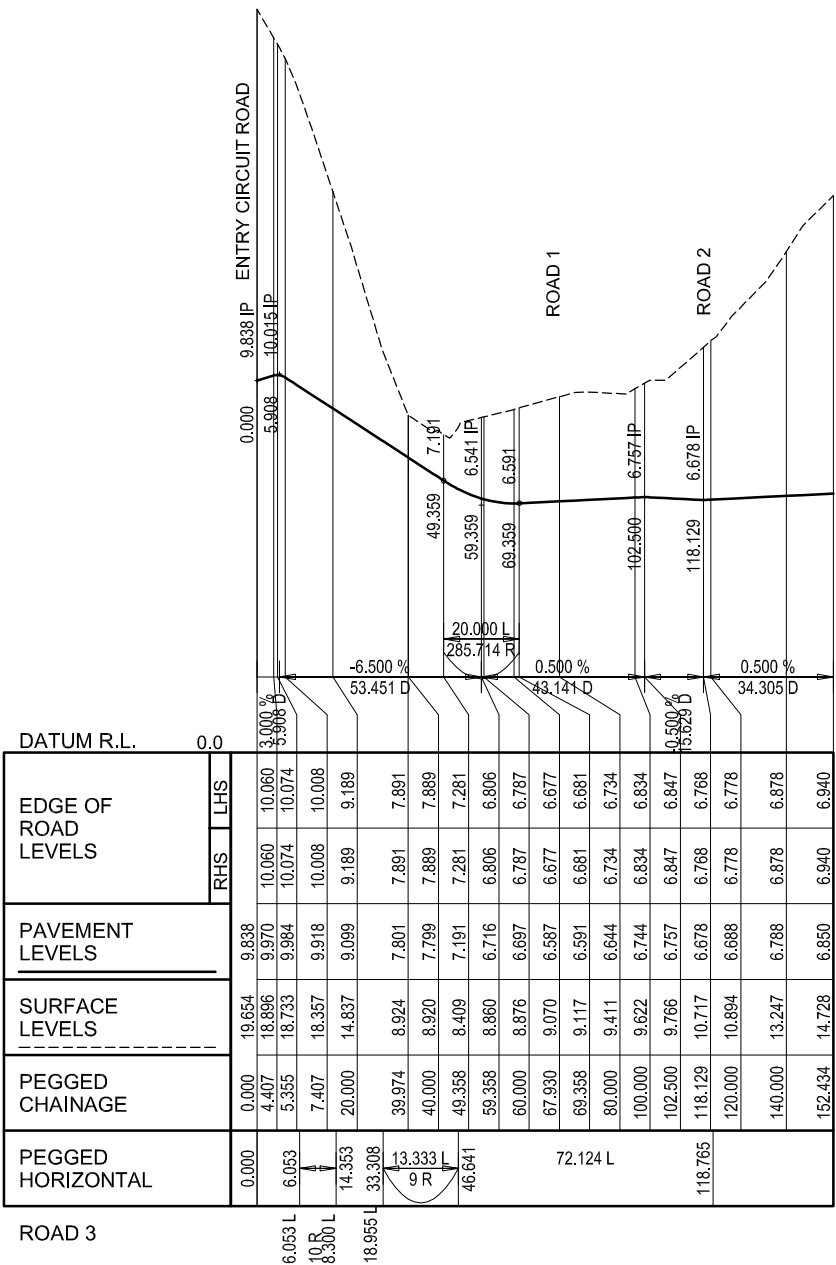
DATUM R.L. 2.0			
EDGE OF ROAD LEVELS		RHS	LHS
		15.490	15.922
PAVEMENT LEVELS		15.832	15.922
		15.880	15.970
SURFACE LEVELS		15.864	15.954
		15.739	15.829
PEGGED CHAINAGE		15.747	15.747
		14.539	14.539
PEGGED HORIZONTAL		13.239	13.239
		11.939	11.939
		10.639	10.639
		9.339	9.339
		8.039	8.039
		7.365	7.365
		7.084	7.084
		6.901	6.901
		6.890	6.890
		9.364	9.364

ROAD 1



DATUM R.L. 2.0			
EDGE OF ROAD LEVELS		RHS	LHS
		15.148	15.418
PAVEMENT LEVELS		15.328	15.418
		15.528	15.618
SURFACE LEVELS		15.828	15.918
		16.082	16.172
PEGGED CHAINAGE		16.198	16.198
		16.522	16.522
PEGGED HORIZONTAL		16.172	16.172
		16.146	16.146
		14.746	14.746
		13.346	13.346
		11.946	11.946
		10.546	10.546
		9.146	9.146
		7.746	7.746
		6.888	6.888
		6.678	6.678

ROAD 2



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CLIENT
PROPORTIONAL PROPERTY INVESTMENTS PTY LTD

PROJECT
TOURIST ACCOMMODATION
KIRKWOOD ROAD, TWEED HEADS SOUTH, NSW

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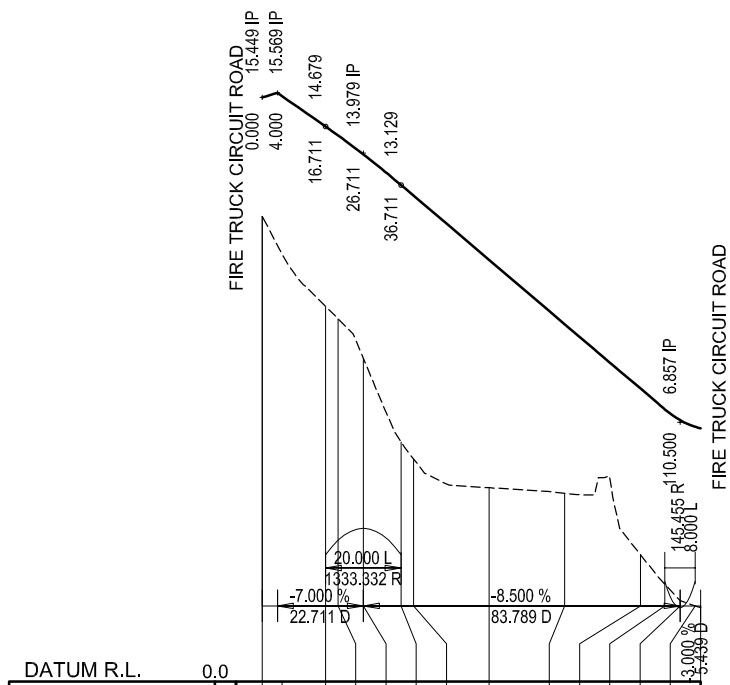
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PRELIMINARY ROADWORKS
LONGITUDINAL SECTIONS
SHEET 4 OF 5

SCALE 1:1000 AT A1(1:2000 AT A3) 0 20 40 60 80 100m HOR
1:100 AT A1(1:200 AT A3) 0 2 4 6 8 10m VERT

PROJECT NO.
K1868

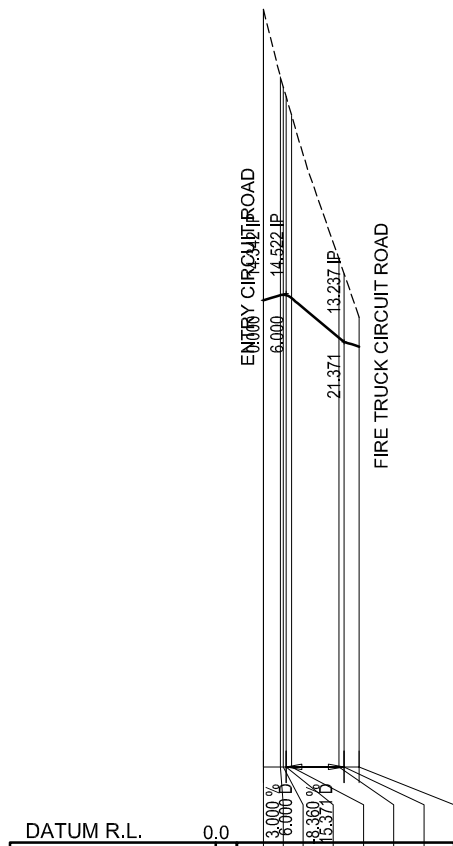
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P033

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EDGE OF ROAD LEVELS	DATUM R.L. 0.0	
	RHS	LHS
PAVEMENT LEVELS	15.449	11.465
	15.569	11.465
SURFACE LEVELS	12.304	11.532
	11.532	9.921
PEGGED CHAINAGE	0.000	15.449
	4.000	15.569
PEGGED HORIZONTAL	0.000	11.465
	4.000	11.465
	16.711	14.769
	20.000	14.445
	26.711	14.535
	26.711	13.942
	36.711	14.032
	36.711	13.219
	40.000	12.850
	40.000	12.940
	60.000	11.240
	60.000	11.240
	80.000	9.540
	80.000	9.540
	100.000	7.840
	100.000	7.840
	106.500	7.287
	106.500	7.287
	110.500	7.002
	110.500	7.002
	114.500	6.827
	114.500	6.827
	115.939	6.827
	115.939	6.827

ROAD 6



EDGE OF ROAD LEVELS	DATUM R.L. 0.0	
	RHS	LHS
PAVEMENT LEVELS	14.342	14.477
	14.477	14.489
SURFACE LEVELS	22.039	19.977
	20.248	19.735
PEGGED CHAINAGE	0.000	14.479
	4.500	14.479
PEGGED HORIZONTAL	0.000	14.397
	4.500	14.397
	5.292	13.352
	5.292	13.352
	6.000	15.041
	6.000	15.041
	7.500	13.237
	7.500	13.237
	20.000	13.117
	20.000	13.117
	21.371	13.117
	21.371	13.117
	25.371	13.117
	25.371	13.117

ROAD 7



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CLIENT
PROPORTIONAL PROPERTY INVESTMENTS PTY LTD

PROJECT
TOURIST ACCOMMODATION
KIRKWOOD ROAD, TWEED HEADS SOUTH, NSW

DESIGN
TP

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AA

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**PRELIMINARY ROADWORKS
LONGITUDINAL SECTIONS
SHEET 5 OF 5**

SCALE 1:1000 AT A1(1:2000 AT A3) 0 20 40 60 80 100m HOR
1:100 AT A1(1:200 AT A3) 0 2 4 6 8 10m VERT

PROJECT NO.
K1868

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APPENDIX

F

Knobel Consulting Pty Ltd
Preliminary Sewer Plan
(Ref: K1868/P016/C)

APPENDIX

G

Knobel Consulting Pty Ltd
Preliminary Water Plan
(Ref: K1868/P017/C)



LEGEND

---W--- EXISTING WATER MAIN
---W--- PRELIMINARY WATER MAIN

NOTE:
INTERNAL WATER MAIN TO
BE PRIVATELY OWNED

KIRKWOOD ROAD

LOT
1

EXISTING Ø200
WATER MAIN

CONNECT INTO
EXISTING WATER MAIN

LOT
136

ACACIA STREET

KIRKWOOD ROAD

LOT
40

LOT
36

EXISTING Ø100
WATER MAIN

LOT
1-33

EXISTING
COMMUNITY TITLE
DEVELOPMENT

HARRIER STREET

WREN STREET

EXISTING
COMMUNITY

FIRETAIL CT

PACIFIC HWY

LOT
8

FRASER DRIVE



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CLIENT
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TOURIST ACCOMMODATION
KIRKWOOD ROAD, TWEED HEADS SOUTH, NSW

DESIGN
CWH

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TITLE
PRELIMINARY WATER PLAN

PROJECT NO.

K1868

DWG NO.

P017

ISSUE

C

SCALE 1:1000 AT A1
1:2000 AT A3

