



ORIGINAL DRAWINGS  
(These are the originals only if this text is RED)

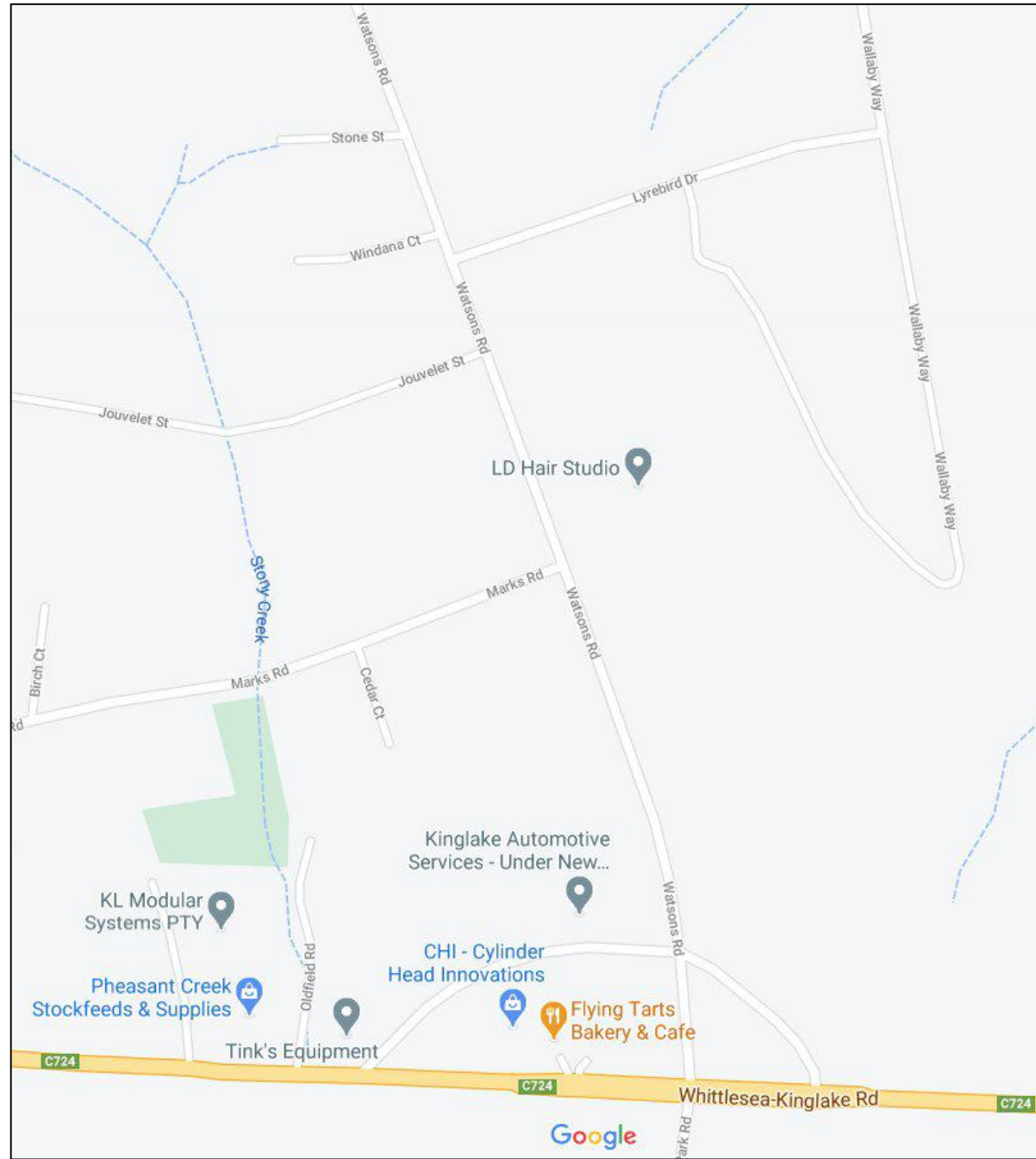
# Murrindindi Shire Council

## Watsons Road Footpath

### Road and Drainage Plans

Not Yet Approved by Council

Drawing file:	LTO Ref:	Council Ref:	Water Auth. Ref:	Our Ref:	Version
20131 0 FP Council.dwg	----	----	----	20131	1



### Locality Plan - Kinglake

NOT TO SCALE

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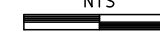
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Notes/Legend



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 E: info@terraco.com.au  
 Web: www.terraco.com.au

Scale (m)



NTS

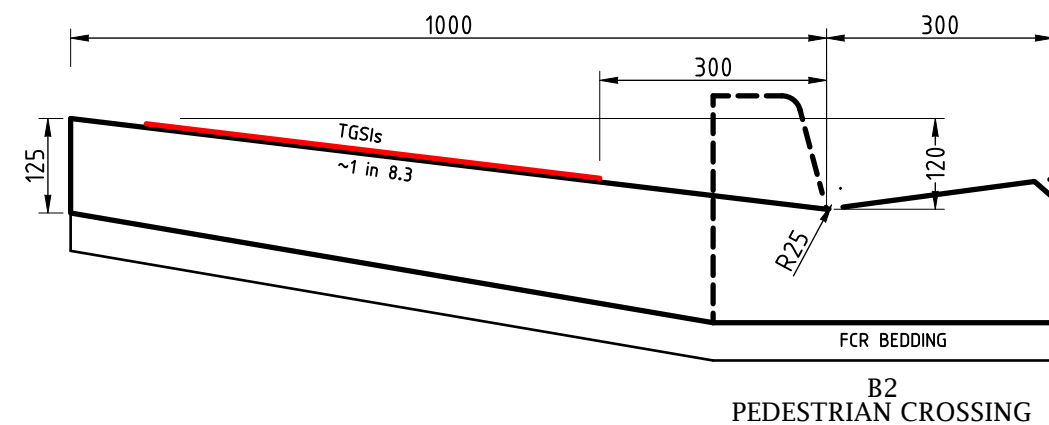
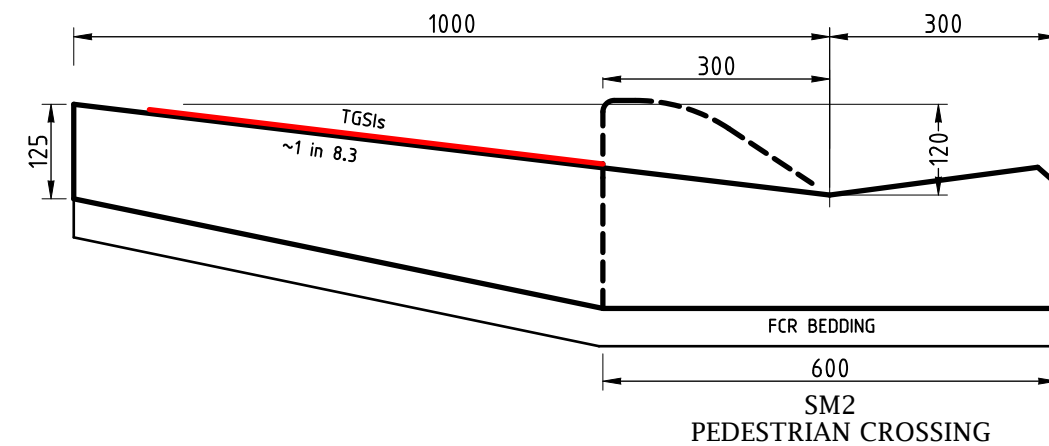
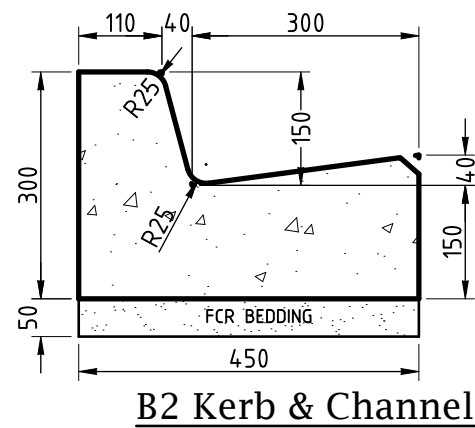
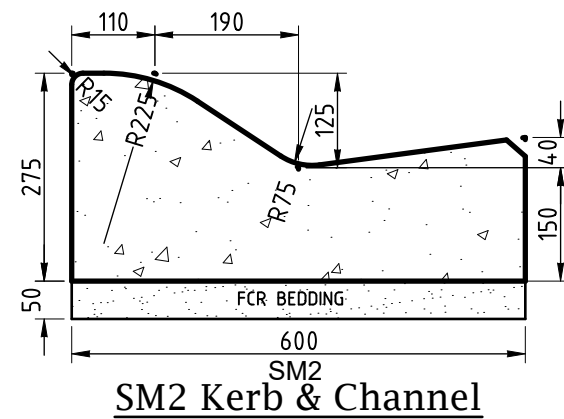
All lengths are in metres  
 and all levels are to Australian Height Datum  
 (Original Sheet Size is A3)

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20131 1 Notes.dwg	----

Murrindindi Shire Council - Kinglake					
<b>Murrindindi Shire Council</b>					
##Estate Name (and Stage)					
Index & Locality Plan					
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# GENERAL NOTES

1. All works are to be in accordance with Council's standards including the IDM.
2. The contractor must contact all servicing authorities to arrange service locations prior to commencement of excavation for this project.
3. All concrete must have a minimum compressive strength of 25MPa at 28 days. Kerb & Channel concrete must have an equivalent strength using not less than 280kg of cement per m3 of concrete.
4. Nature strips where disturbed are to be topsoiled to a depth of approximately 100mm using material stockpiled from stripping, or approved imported material.
5. All existing driveways which are affected by the footpath construction are to be regraded as required and resurfaced with 100mm depth of approved crushed rock.
6. Pavement Testing. Tests to be completed at minimum 50m intervals. Pavement material to be placed and compacted in layers with minimum compaction of 100% of the maximum dry density as determined by the modified compaction test being achieved.
7. In accordance with Aboriginal Affairs Victoria guidelines, if any Aboriginal cultural material is discovered during construction the following will occur:  
 Works will cease immediately upon the discovery of any Aboriginal cultural material, and Aboriginal Affairs Victoria will be notified immediately of any such discovery at GPO Box 2392V, Melbourne 3001 or on (telephone) 1300 551 380.  
 If any suspected human remains are found, work in the area will cease and the Victoria Police and the State Coroner's Office will be informed of the discovery without delay. The State Coroner's Office can be contacted at any time on telephone (03) 9684 4444.  
 If there are reasonable grounds to suspect that the remains are Aboriginal, the discovery will also be reported to Aboriginal Affairs Victoria on telephone 1300 888 544 or (03)9208 3287 and the provisions of Division 2 of Part 2 of the Aboriginal Heritage Act 2006 will apply.  
 Officers of Aboriginal Affairs Victoria will be permitted access to the site at any reasonable time, for the purpose of monitoring adherence to conditions above.



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Notes/Legend

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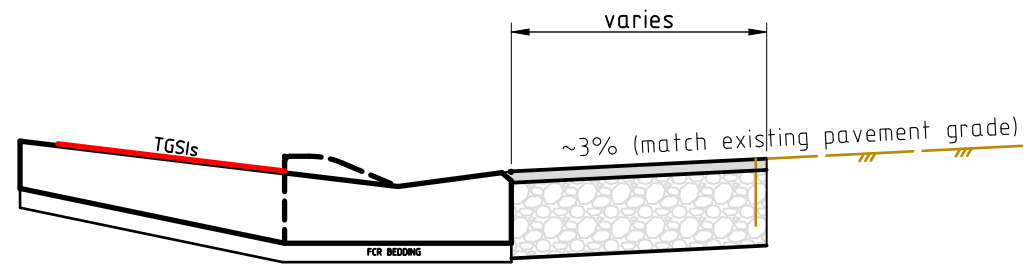
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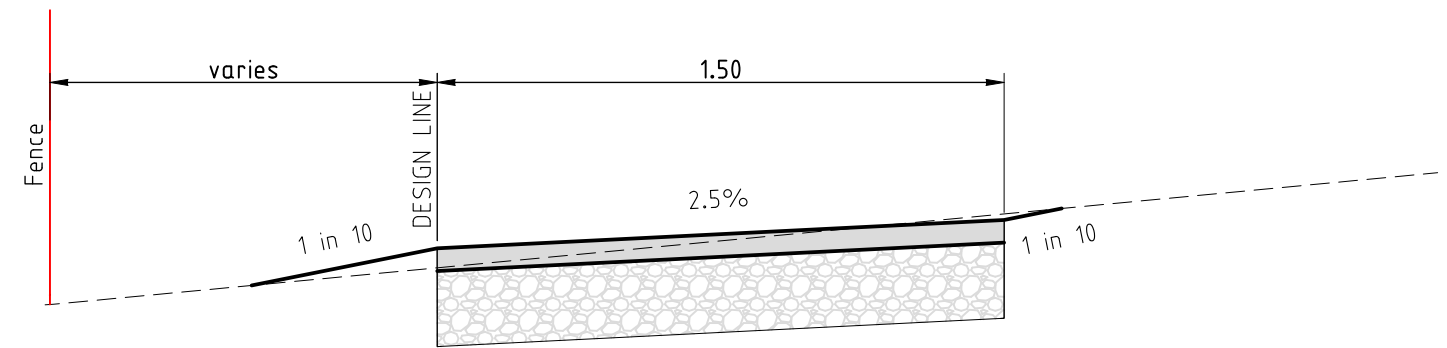
Drawing file: 20131 1 Notes.dwg  
LTO Ref: ----

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
##Estate Name (and Stage)  
**General Notes & Kerb Detail**

Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet
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**Kerb Layback & Pavement Widening Section**



**Typical Asphalt Footpath Section**

**1. PAVEMENT COMPOSITION**

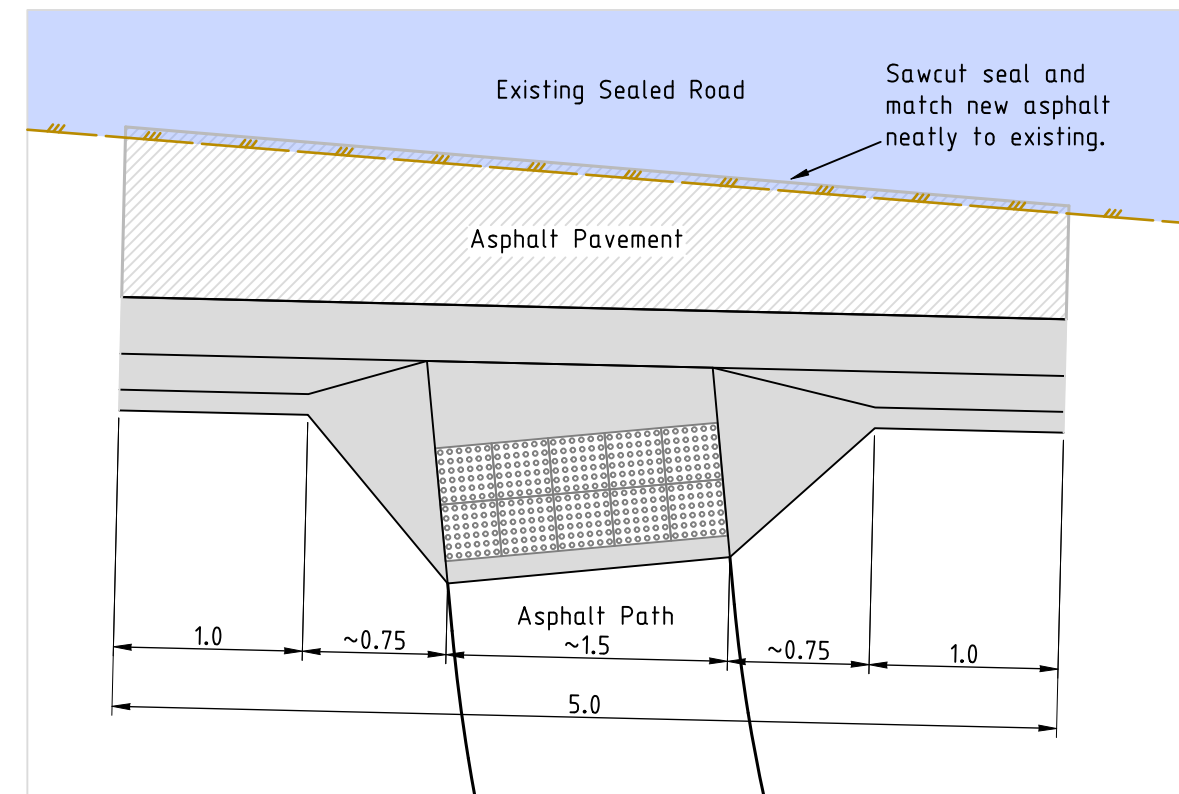
- a) 30mm DEPTH TYPE L SIZE 7 ASPHALT
- b) 200mm DEPTH CONSOLIDATED CLASS 2 FCR (BASE COURSE) COMPACTED TO MINIMUM 97% MODIFIED MDD

**Pavement Composition & Notes**

- 1. PAVEMENT COMPOSITION
  - a) 30mm DEPTH TYPE L SIZE 7 ASPHALT
  - b) 100mm DEPTH CONSOLIDATED CLASS 2 FCR (BASE COURSE) COMPACTED TO MINIMUM 97% MODIFIED MDD
- 2. Disturbed nature strips are to be topsoiled to a depth of approximately 100mm using material stockpiled from stripping, or approved imported material.



**Typical Concrete Pad**



**Typical Kerb Layback**

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Scale (m) NTS

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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
##Estate Name (and Stage)  
**Typical Cross Sections & Ped Crossing Details**

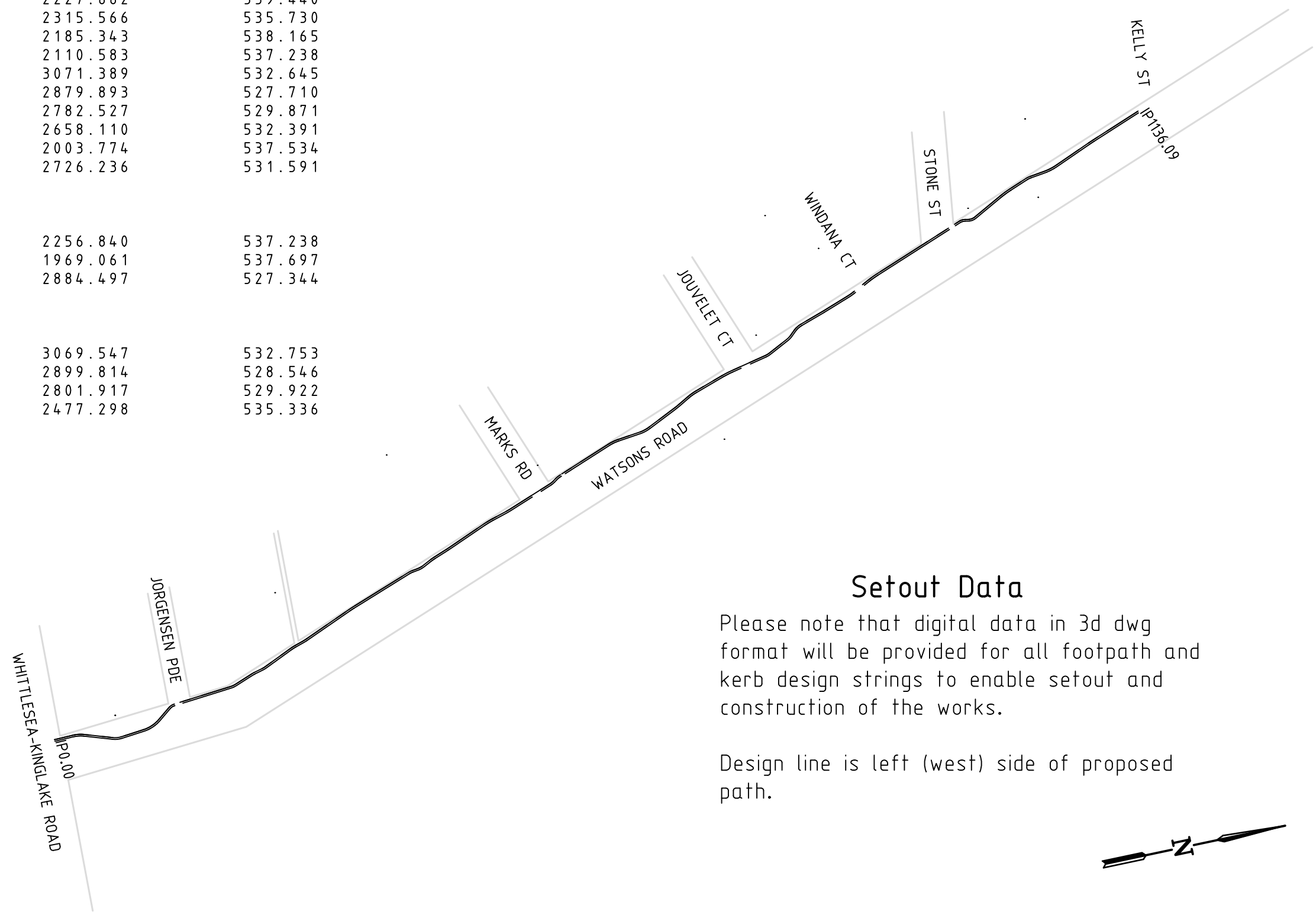
Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet
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# Survey Marks

Pt #	x	y	z
Instrument Stations			
STN 2344	854.915	2569.357	532.972
STN 2176	887.791	2461.880	534.796
STN 2080	976.615	2227.662	539.440
STN 2079	942.446	2315.566	535.730
STN 1917	992.692	2185.343	538.165
STN 1681	1030.426	2110.583	537.238
STN 1288	681.893	3071.389	532.645
STN 1137	730.147	2879.893	527.710
STN 1059	768.693	2782.527	529.871
STN 828	815.051	2658.110	532.391
STN 1680	1007.089	2003.774	537.534
STN 1058	798.382	2726.236	531.591

PM	x	y	z
Perm Survey Marks			
PM 1988	999.973	2256.840	537.238
PM 1682	1021.021	1969.061	537.697
PM 1287	720.365	2884.497	527.344

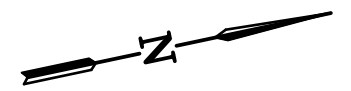
BM	x	y	z
Bench Marks			
BM 1676	666.754	3069.547	532.753
BM 1307	739.877	2899.814	528.546
BM 1244	773.033	2801.917	529.922
BM 19	895.759	2477.298	535.336



## Setout Data

Please note that digital data in 3d dwg format will be provided for all footpath and kerb design strings to enable setout and construction of the works.

Design line is left (west) side of proposed path.



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Notes/Legend

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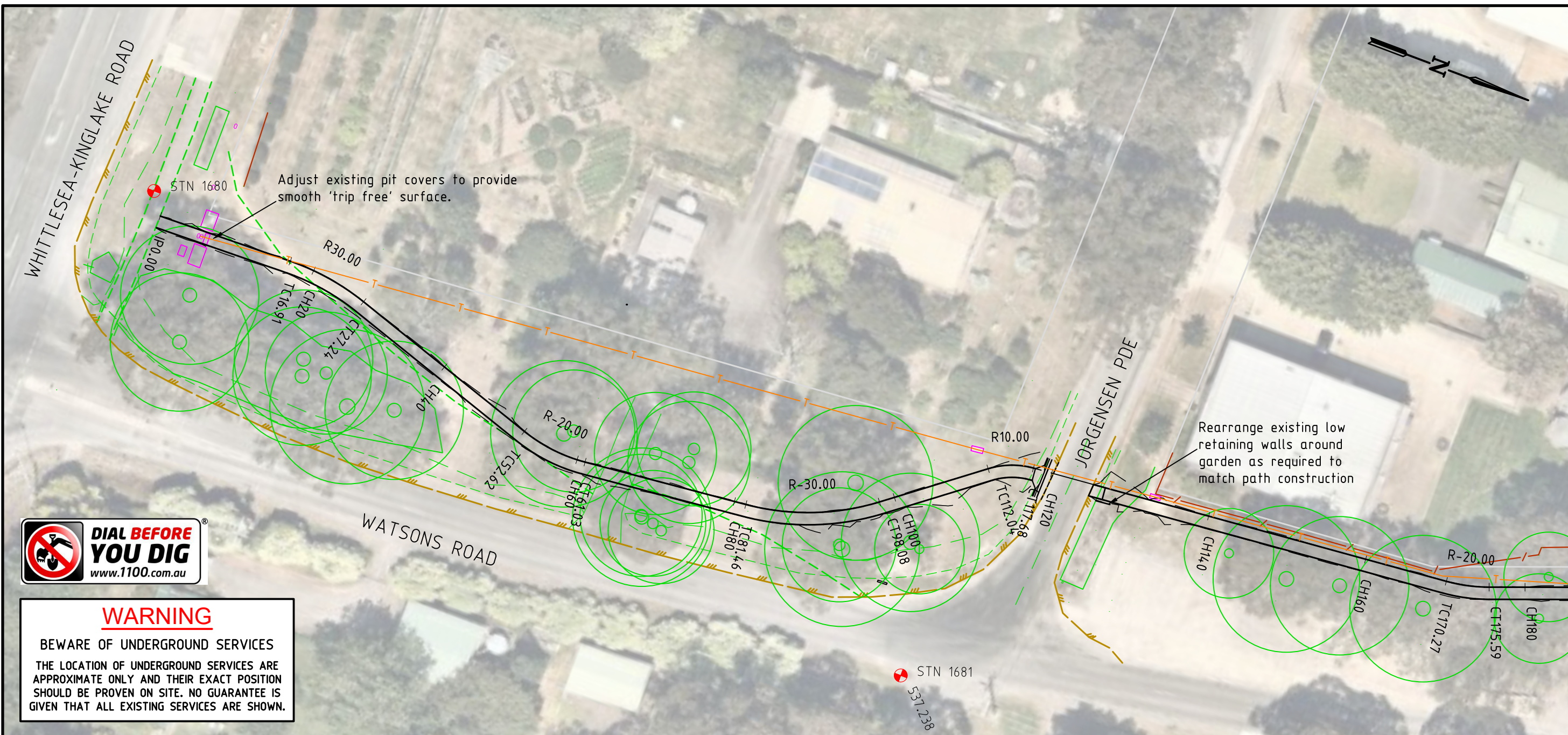
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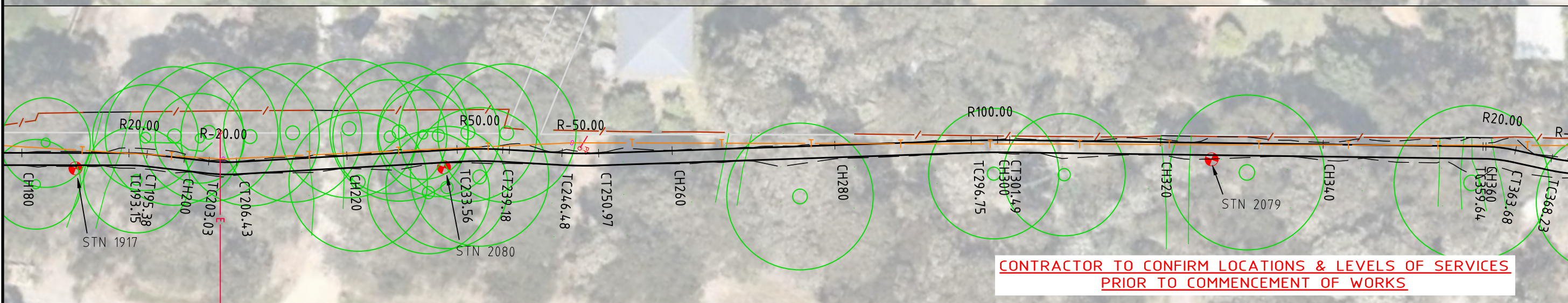
Drawing file:	LTO Ref:
20131 2 Overall.dwg	----

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
**Overall Layout Plan & Survey Mark Listing**

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**WARNING**  
 BEWARE OF UNDERGROUND SERVICES  
 THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



**CONTRACTOR TO CONFIRM LOCATIONS & LEVELS OF SERVICES PRIOR TO COMMENCEMENT OF WORKS**

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Designed	Checked	Approved	<b>Notes/Legend</b> Existing U/G Telstra/NBN cable Existing U/G Power Services shown are approximate only based on DBYD asset plans. On site locations must be carried out prior to construction commencing.

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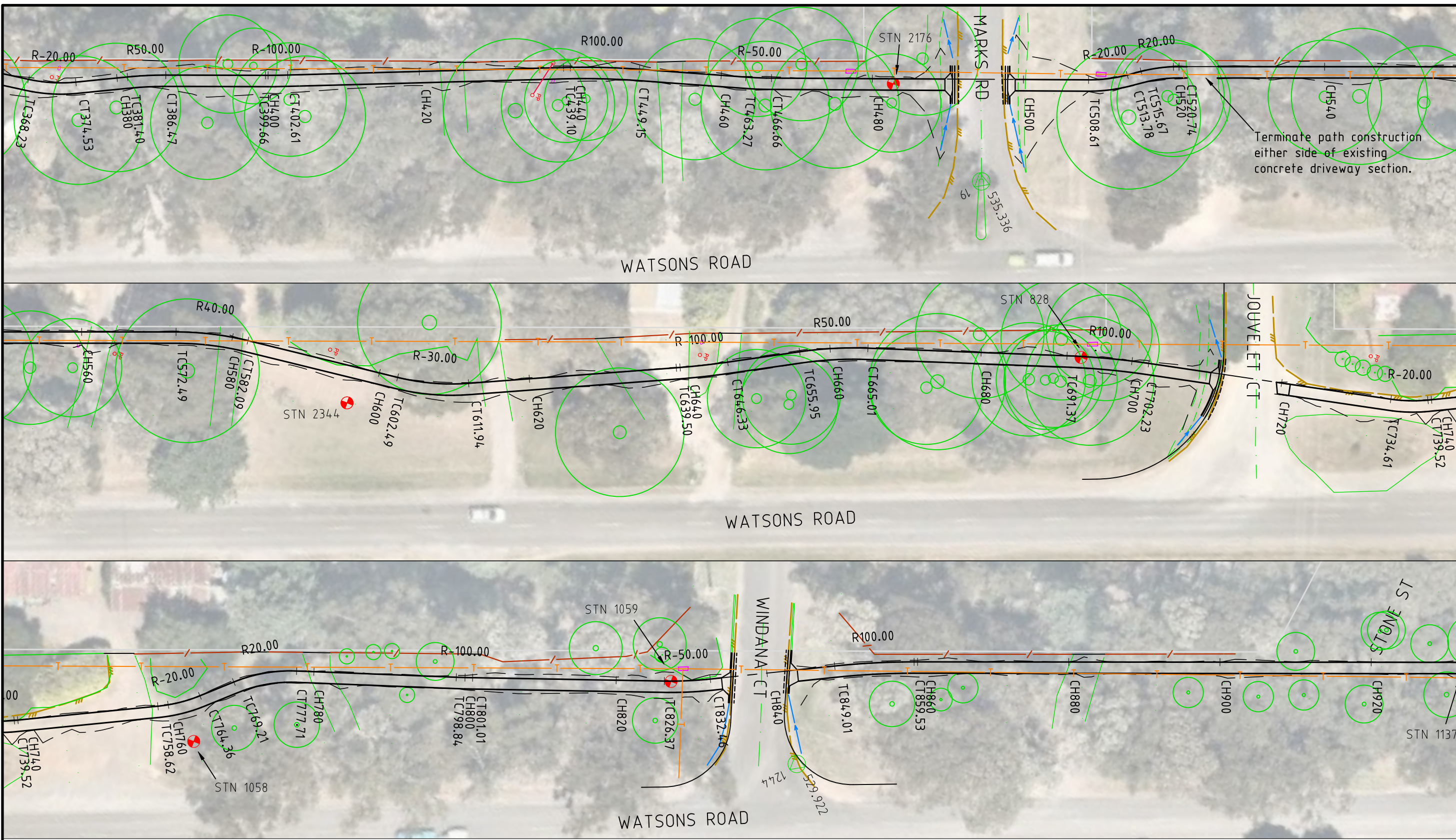
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Scale (m) 1:500 0 5 10

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Drawing file: 20131 3 Layout.dwg LTO Ref: --- Council Ref: --- Water Auth. Ref: --- Our Ref: 20131 Version 1 Sheet 5 of 39

Murrindindi Shire Council - Kinglake  
 Murrindindi Shire Council  
 Watsons Road Footpath  
 Layout Plan 1



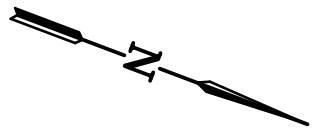
Terminate path construction either side of existing concrete driveway section.

**WARNING**

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**CONTRACTOR TO CONFIRM LOCATIONS & LEVELS OF SERVICES PRIOR TO COMMENCEMENT OF WORKS**



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Ver	Revision Description	Date

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**Notes/Legend**

- Existing U/G Telstra/NBN cable
- Existing U/G Power

Services shown are approximate only based on DBYD asset plans. On site locations must be carried out prior to construction commencing.

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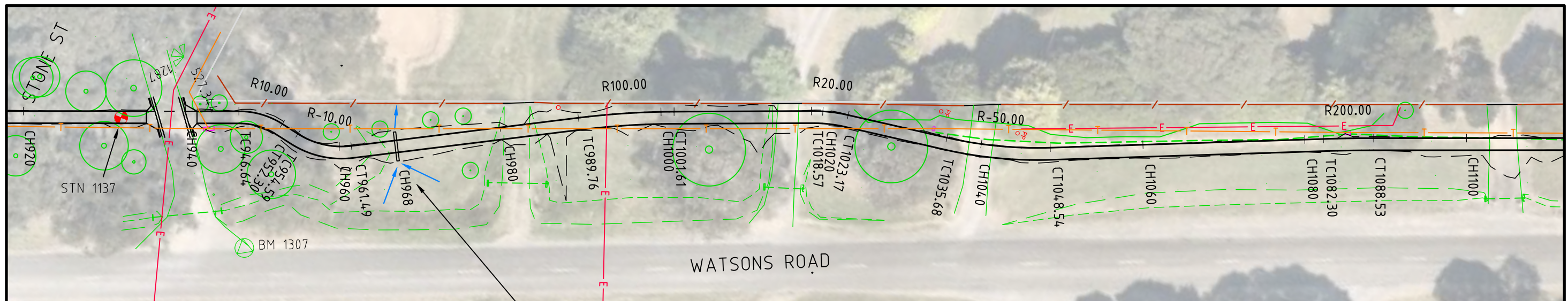
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Drawing file:	LTO Ref:	Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet
20131 3 Layout.dwg	----	----	----	20131	1	6 of 39

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
 Layout Plan 2

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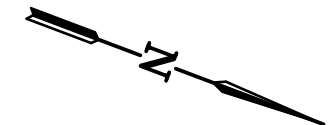
Provide 300x225 box culvert at CH968.  
 3.6m long centred on path alignment.  
 Inlet invert 527.085 (east end)  
 Outlet invert 527.05 (west end)  
 Terminate path either side of culvert and match neatly to cover levels and grade.  
 Shape area to direct surface water into culvert entrance and shape outlet towards dam.

**WARNING**

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**CONTRACTOR TO CONFIRM LOCATIONS & LEVELS OF SERVICES PRIOR TO COMMENCEMENT OF WORKS**



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**Notes/Legend**  
 — T — Existing U/G Telstra/NBN cable  
 — E — Existing U/G Power  
 Services shown are approximate only based on DBYD asset plans. On site locations must be carried out prior to construction commencing.

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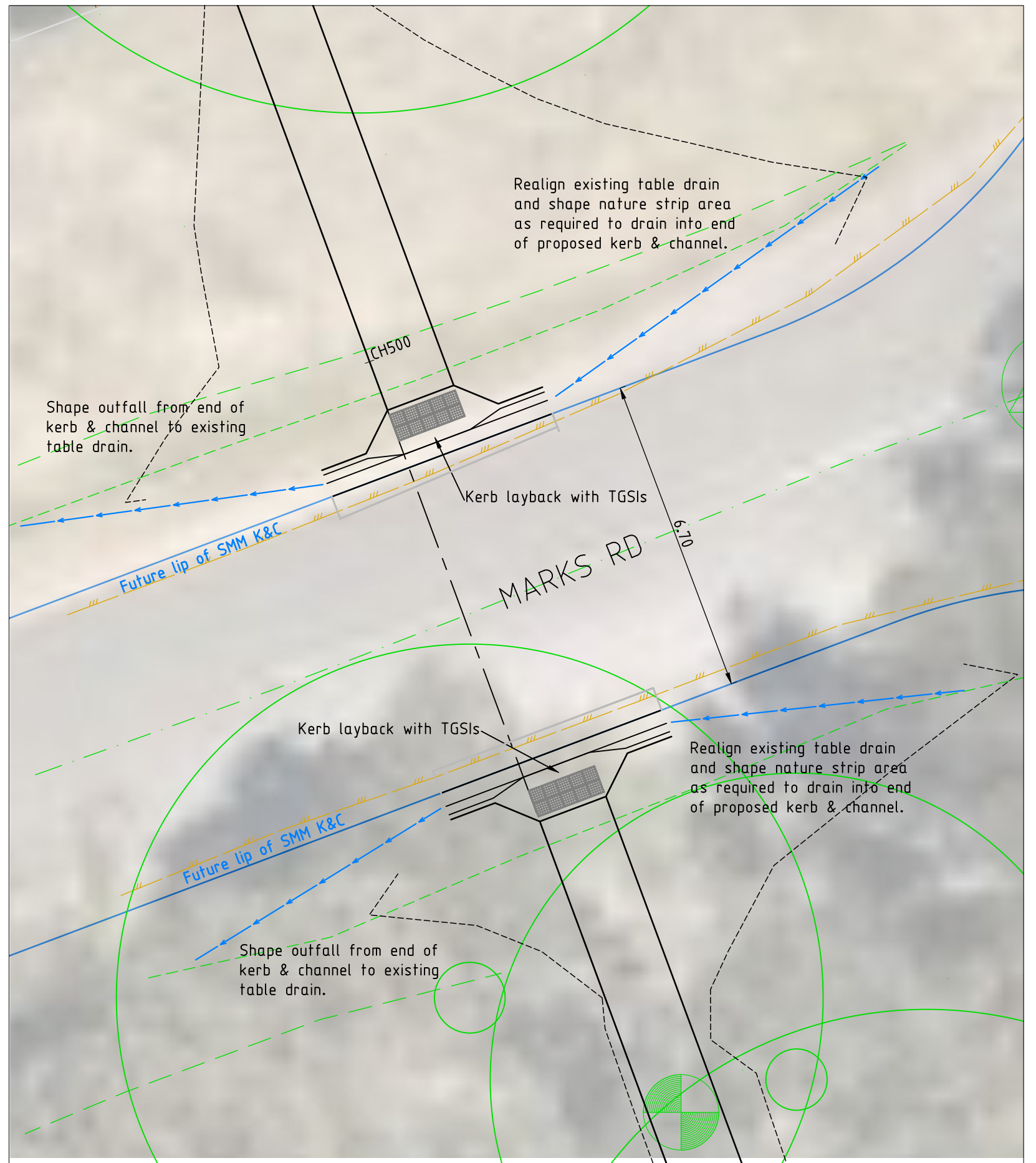
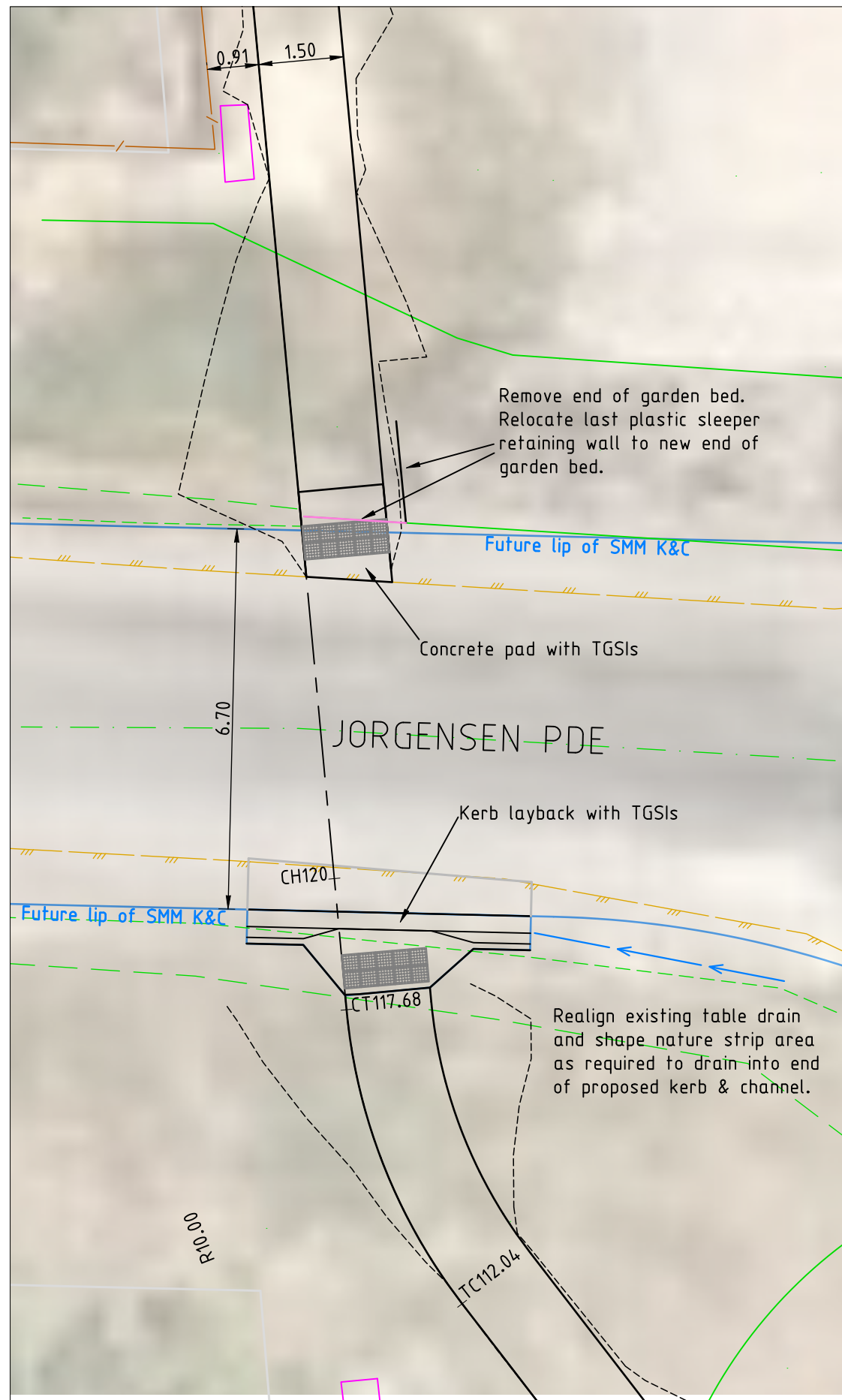
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Drawing file: 20131 3 Layout.dwg LTO Ref: ----

Murrindindi Shire Council - Kinglake					
Murrindindi Shire Council					
Watsons Road Footpath					
Layout Plan 3					
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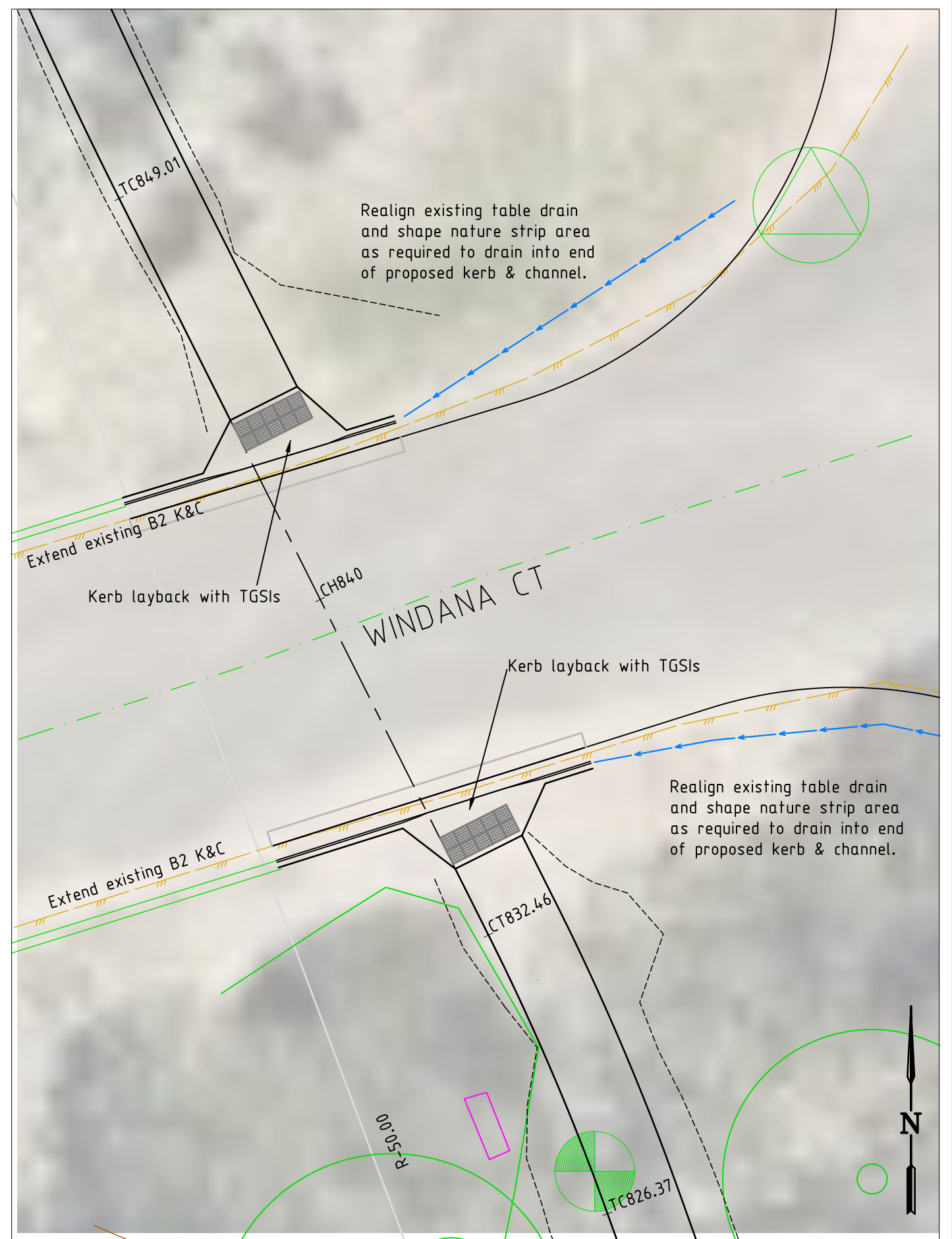
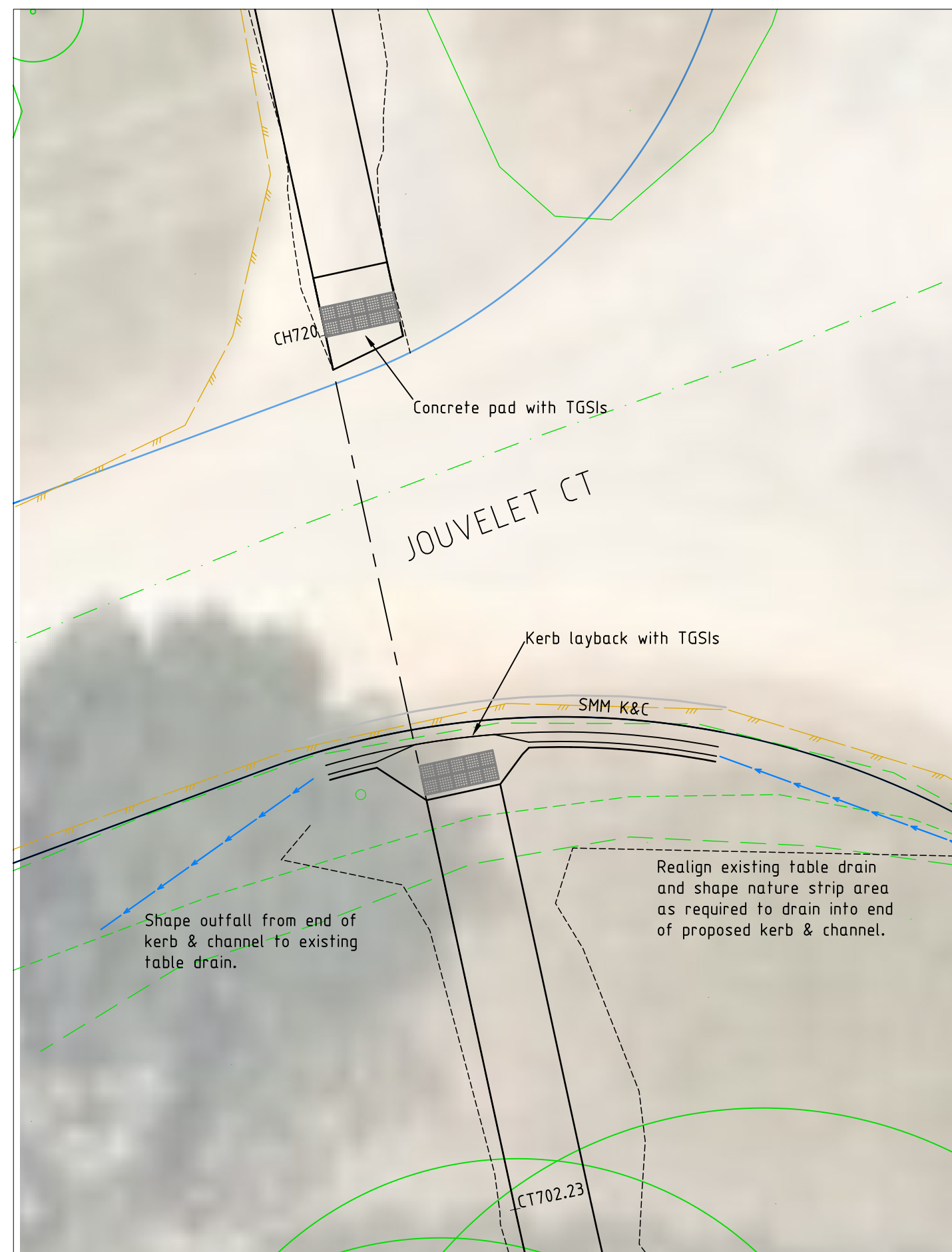
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All lengths are in metres  
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Drawing file: 20131 4 Detail.dwg  
LTO Ref: ----  
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
 Watsons Road Footpath  
 Detail Plan 1





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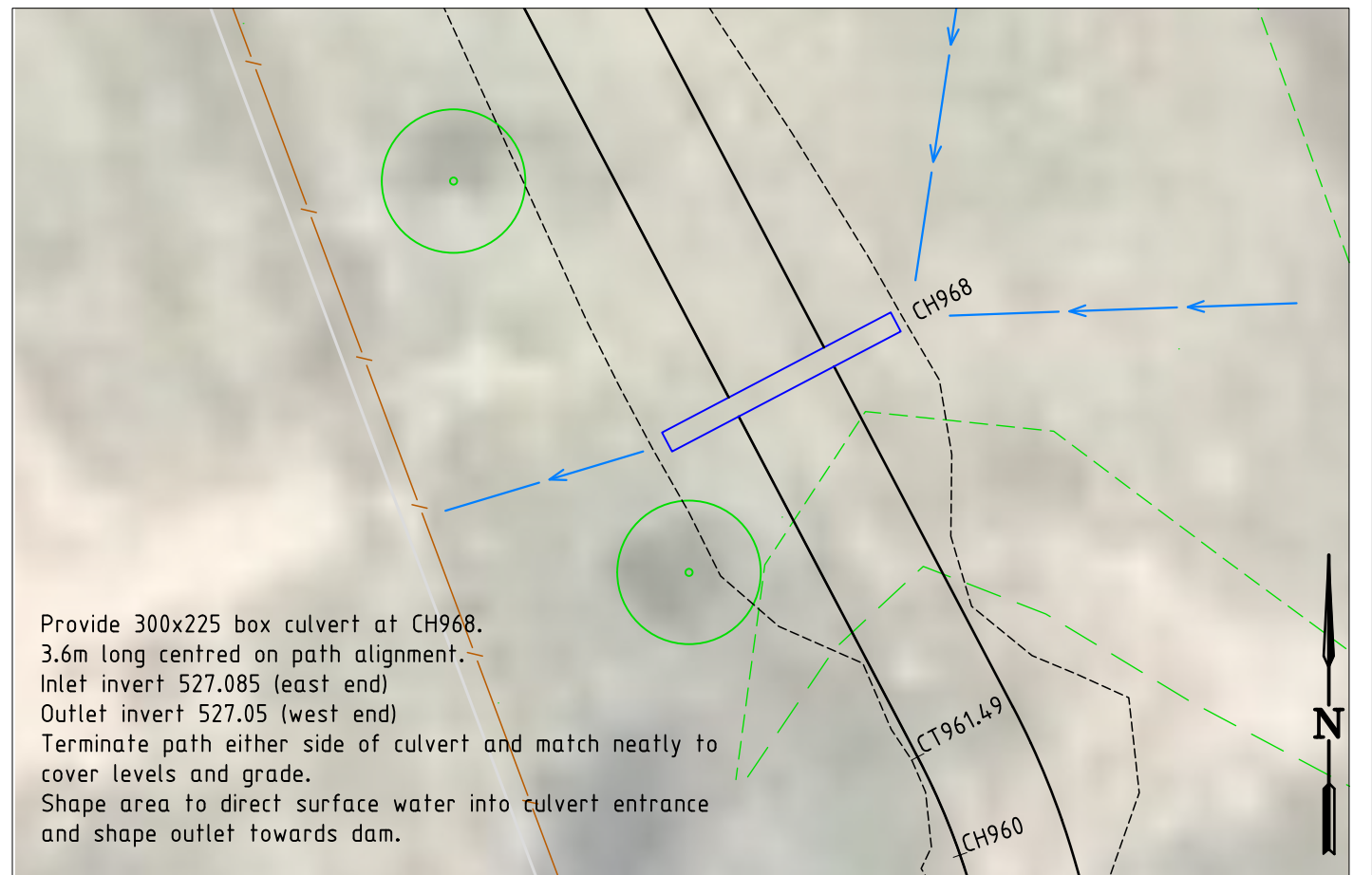
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Detail Plan 1



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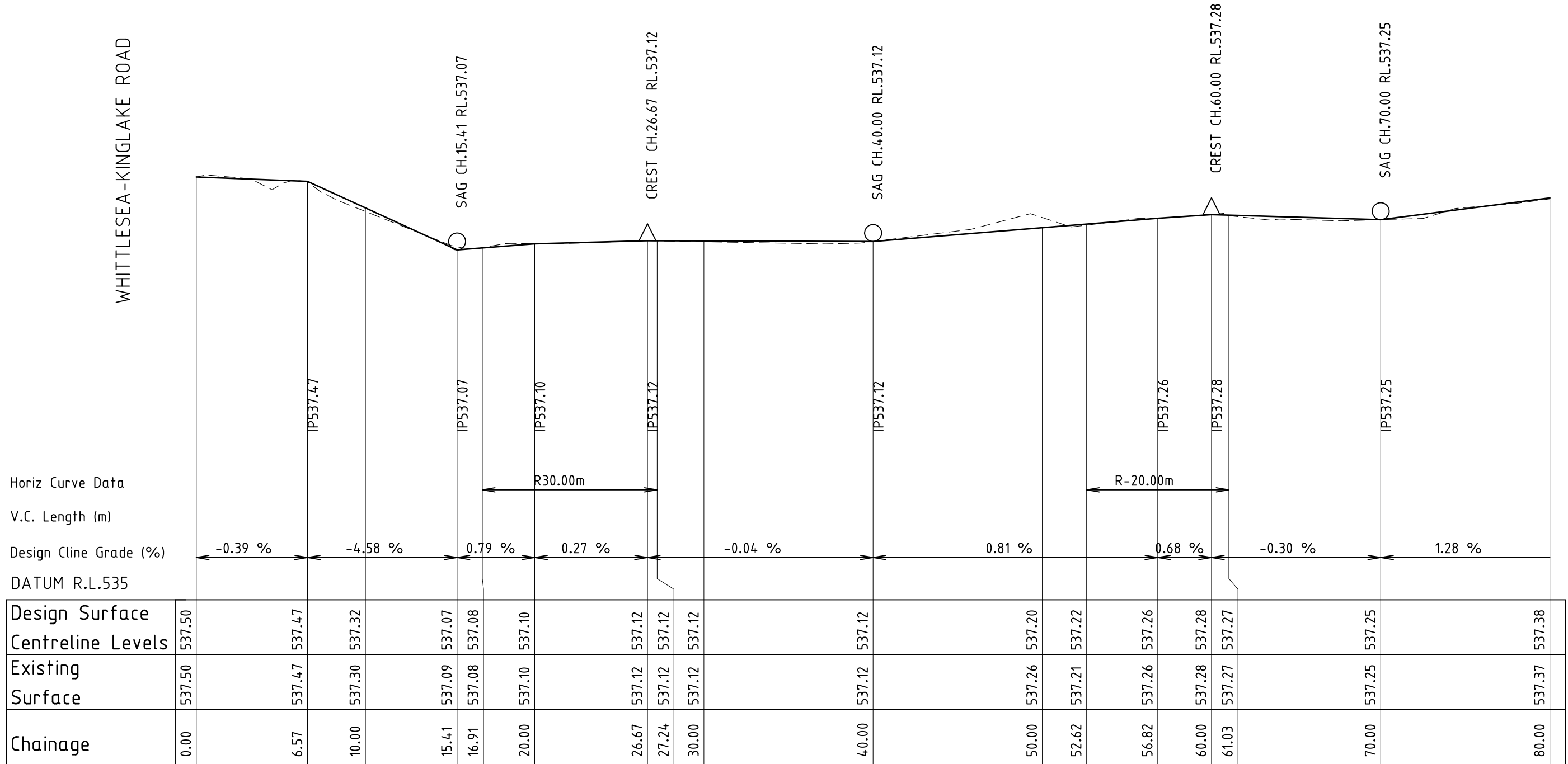
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Murrindindi Shire Council - Kinglake					
Murrindindi Shire Council Watsons Road Footpath					
Detail Plan 1					
Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet	
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WHITTLESEA-KINGLAKE ROAD



Horiz Curve Data  
 V.C. Length (m)  
 Design Cline Grade (%)  
 DATUM R.L.535

Scales Hor 1 : 250  
 (A3 orig) Ver 1 : 25

LONGITUDINAL SECTION - path

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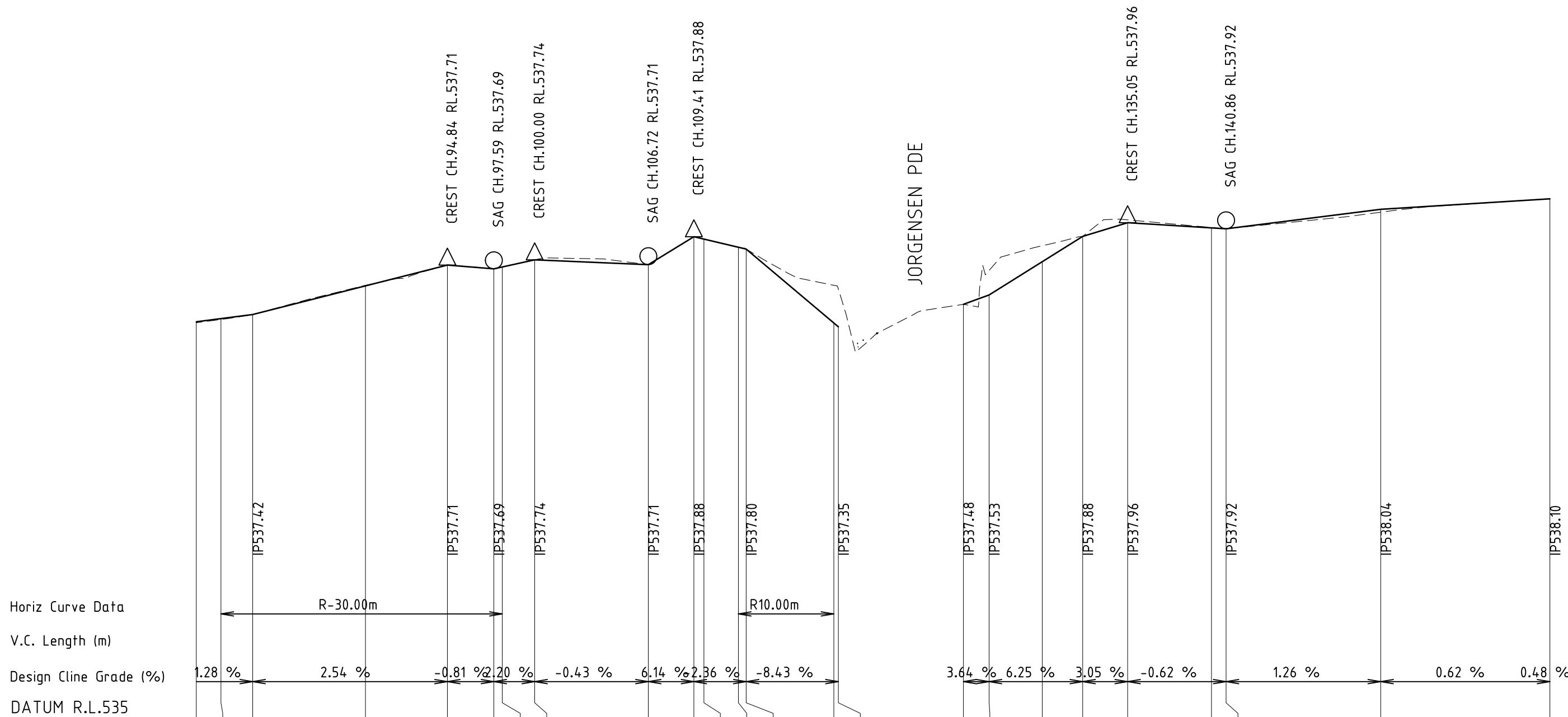
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 V 1:25 0 0.25 0.5

All lengths are in metres  
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Drawing file: 20131 5 Road.dwg  
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 1**

Council Ref: ----	Water Auth. Ref: ----	Our Ref: 20131	Version: 1	Sheet: 11 of 39
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Design Surface	537.38	537.39	537.42	537.59	537.71	537.69	537.70	537.74	537.71	537.88	537.86	537.82	537.80	537.37	537.35	537.48	537.53	537.73	537.88	537.96	537.93	537.92	538.04	538.10
Centreline Levels	537.37	537.39	537.42	537.59	537.71	537.69	537.70	537.74	537.71	537.88	537.86	537.82	537.81	537.59	537.57	537.48	537.68	537.82	537.88	537.98	537.93	537.92	538.02	538.10
Existing Surface	80.00	81.46	83.33	90.00	94.84	97.59	98.08	100.00	106.72	109.41	110.00	112.04	112.50	117.68	117.95	125.34	126.86	130.00	132.39	135.05	140.00	140.86	150.00	160.00
Chainage																								

Scales Hor 1 : 250  
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**LONGITUDINAL SECTION - path**

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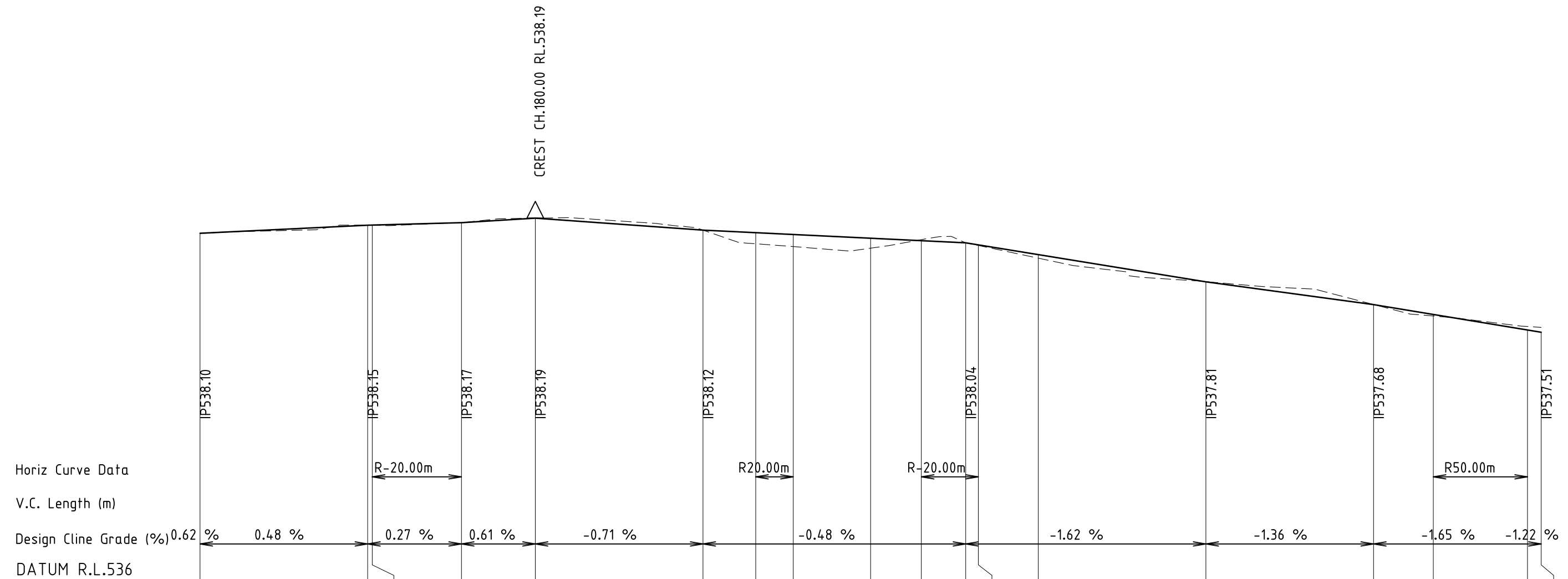
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All lengths are in metres  
 and all levels are to Australian Height Datum  
 (Original Sheet Size is A3)

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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 2**

Council Ref: ----	Water Auth. Ref: ----	Our Ref: 20131	Version: 1	Sheet: 12 of 39
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Chainage	160.00	170.00	170.27	175.59	180.00	190.00	193.15	195.38	200.00	203.03	205.67	206.43	210.00	220.00	230.00	233.56	239.18	240.00
Design Surface	538.10	538.15	538.15	538.17	538.19	538.12	538.11	538.09	538.07	538.06	538.04	538.03	537.97	537.81	537.68	537.62	537.53	537.51
Centreline Levels	538.10	538.15	538.15	538.17	538.19	538.12	538.11	538.09	538.07	538.06	538.05	538.03	537.95	537.81	537.68	537.61	537.55	537.54
Existing Surface	538.10	538.15	538.15	538.17	538.19	538.12	538.04	538.02	538.01	538.06	538.05	538.03	537.95	537.81	537.68	537.61	537.55	537.54

Scales Hor 1 : 250  
(A3 orig) Ver 1 : 25

LONGITUDINAL SECTION - path

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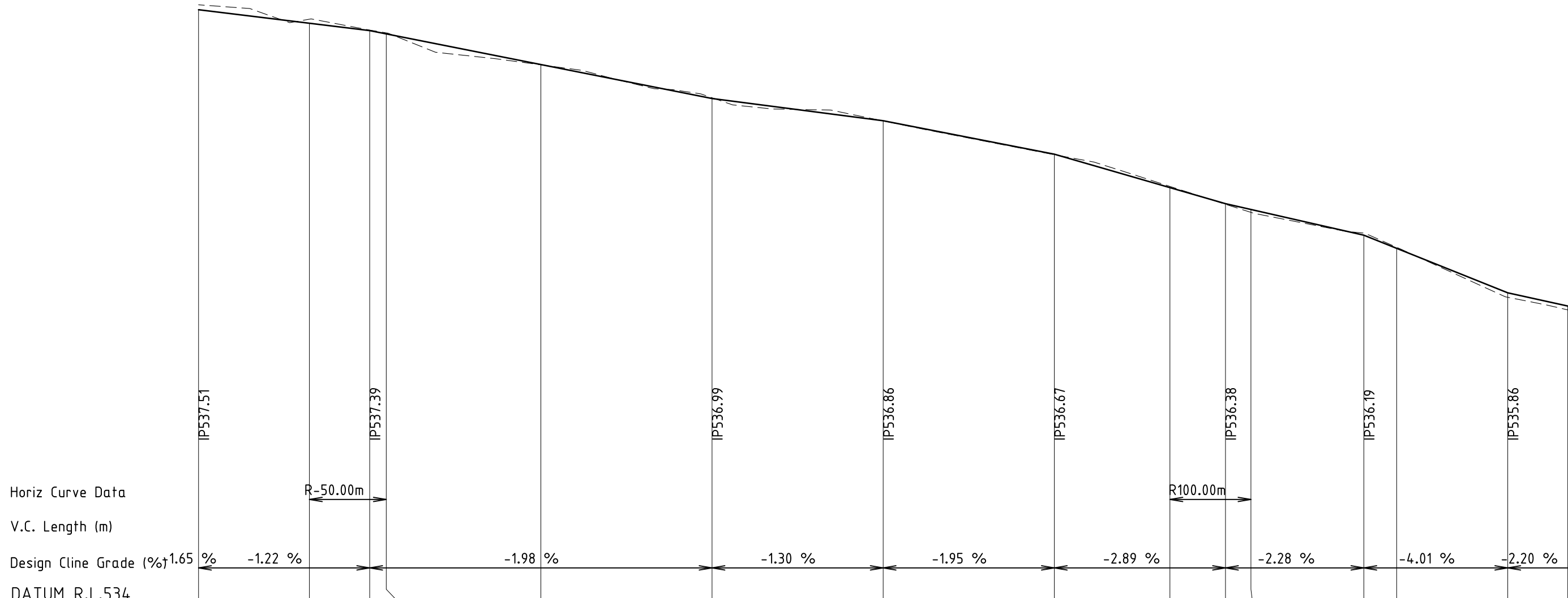
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All lengths are in metres  
and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

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LTO Ref: ----

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Longitudinal Section 3

Council Ref: ----	Water Auth. Ref: ----	Our Ref: 20131	Version: 1	Sheet: 13 of 39
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Design Surface	537.51	537.43	537.39	537.37	537.19	536.99	536.86	536.67	536.47	536.38	536.34	536.19	536.12	535.86	535.78
Centreline Levels	537.51	537.43	537.39	537.37	537.19	536.99	536.86	536.67	536.47	536.38	536.34	536.19	536.12	535.86	535.78
Existing Surface	537.54	537.46	537.39	537.38	537.19	537.00	536.86	536.66	536.48	536.37	536.33	536.21	536.12	535.83	535.76
Chainage	240.00	246.48	250.00	250.97	260.00	270.00	280.00	290.00	296.75	300.00	301.49	308.08	310.00	316.49	320.00

Scales Hor 1 : 250  
 (A3 orig) Ver 1 : 25

LONGITUDINAL SECTION - path

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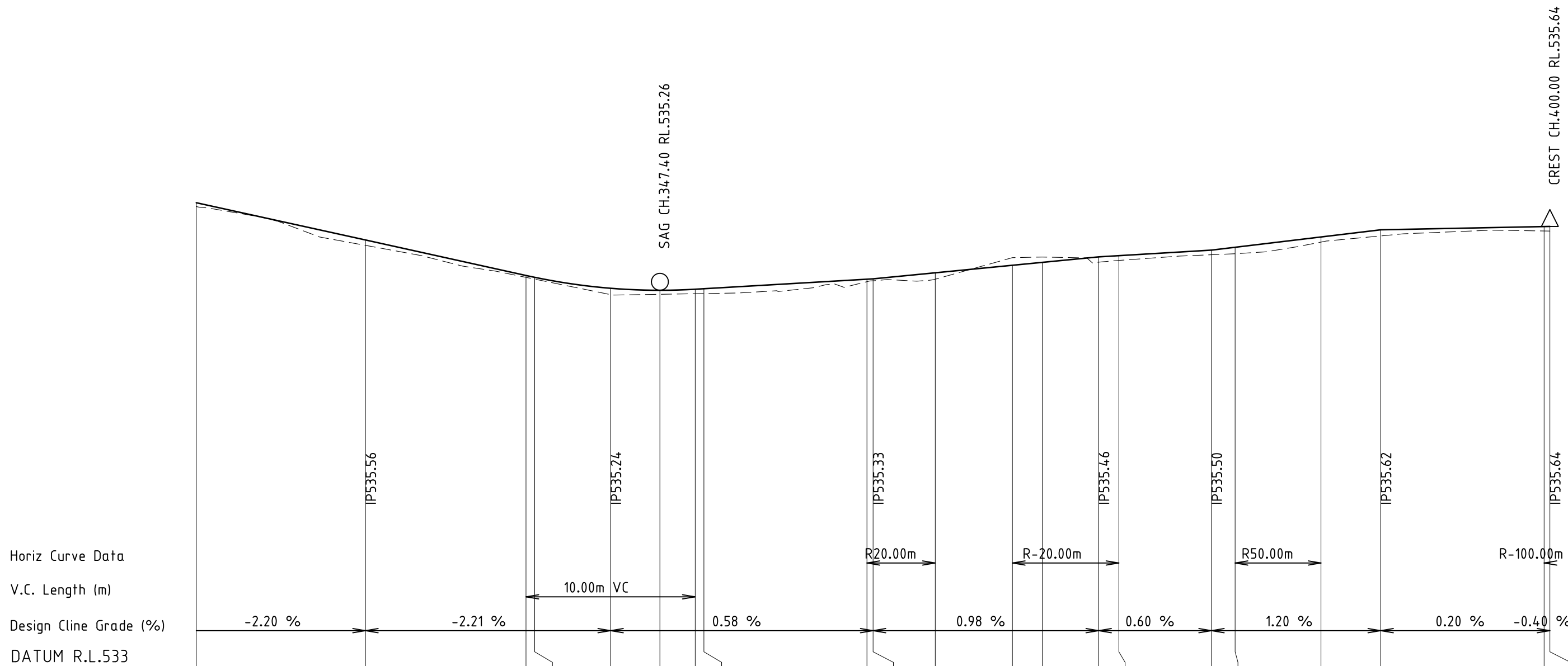
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 and all levels are to Australian Height Datum  
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 4**

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Horiz Curve Data  
 V.C. Length (m)  
 Design Cline Grade (%)  
 DATUM R.L.533

Design Surface	535.78	535.56	535.35	535.34	535.27	535.26	535.27	535.27	535.33	535.33	535.37	535.41	535.43	535.46	535.47	535.50	535.52	535.58	535.62	535.64	535.64
Centreline Levels	535.78	535.56	535.35	535.34	535.27	535.26	535.27	535.27	535.33	535.33	535.37	535.41	535.43	535.46	535.47	535.50	535.52	535.58	535.62	535.64	535.64
Existing Surface	535.76	535.53	535.34	535.33	535.24	535.24	535.24	535.24	535.31	535.32	535.33	535.46	535.46	535.43	535.44	535.47	535.48	535.55	535.58	535.61	535.61
Chainage	320.00	330.00	339.49	340.00	344.49	347.40	349.49	350.00	359.64	360.00	363.68	368.23	370.00	373.33	374.53	380.00	381.40	386.47	390.00	399.66	400.00

Scales Hor 1 : 250  
 (A3 orig) Ver 1 : 25  
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Scale (m) H 1:250 0 2.5 5  
 V 1:25 0 0.25 0.5

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 and all levels are to Australian Height Datum  
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 5**

Council Ref: ----	Water Auth. Ref: ----	Our Ref: 20131	Version: 1	Sheet: 15 of 39
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Horiz Curve Data R-100.00m  
 V.C. Length (m)  
 Design Cline Grade (%) 0.20 %  
 DATUM R.L.533

Design Surface	535.64	535.63	535.60	535.55	535.53	535.49	535.49	535.45	535.44	535.42	535.27	535.20	535.13	535.06	534.89	534.86	534.84
Centreline Levels	535.64	535.63	535.60	535.55	535.53	535.49	535.49	535.45	535.44	535.42	535.27	535.20	535.13	535.06	534.89	534.86	534.84
Existing Surface	535.61	535.60	535.57	535.53	535.50	535.52	535.51	535.42	535.42	535.42	535.25	535.21	535.15	535.06	534.89	534.87	534.89
Chainage	400.00	402.61	410.00	420.00	430.00	439.10	440.00	449.15	450.00	455.00	460.00	463.27	466.66	470.00	474.94	477.70	480.00

Scales Hor 1 : 250  
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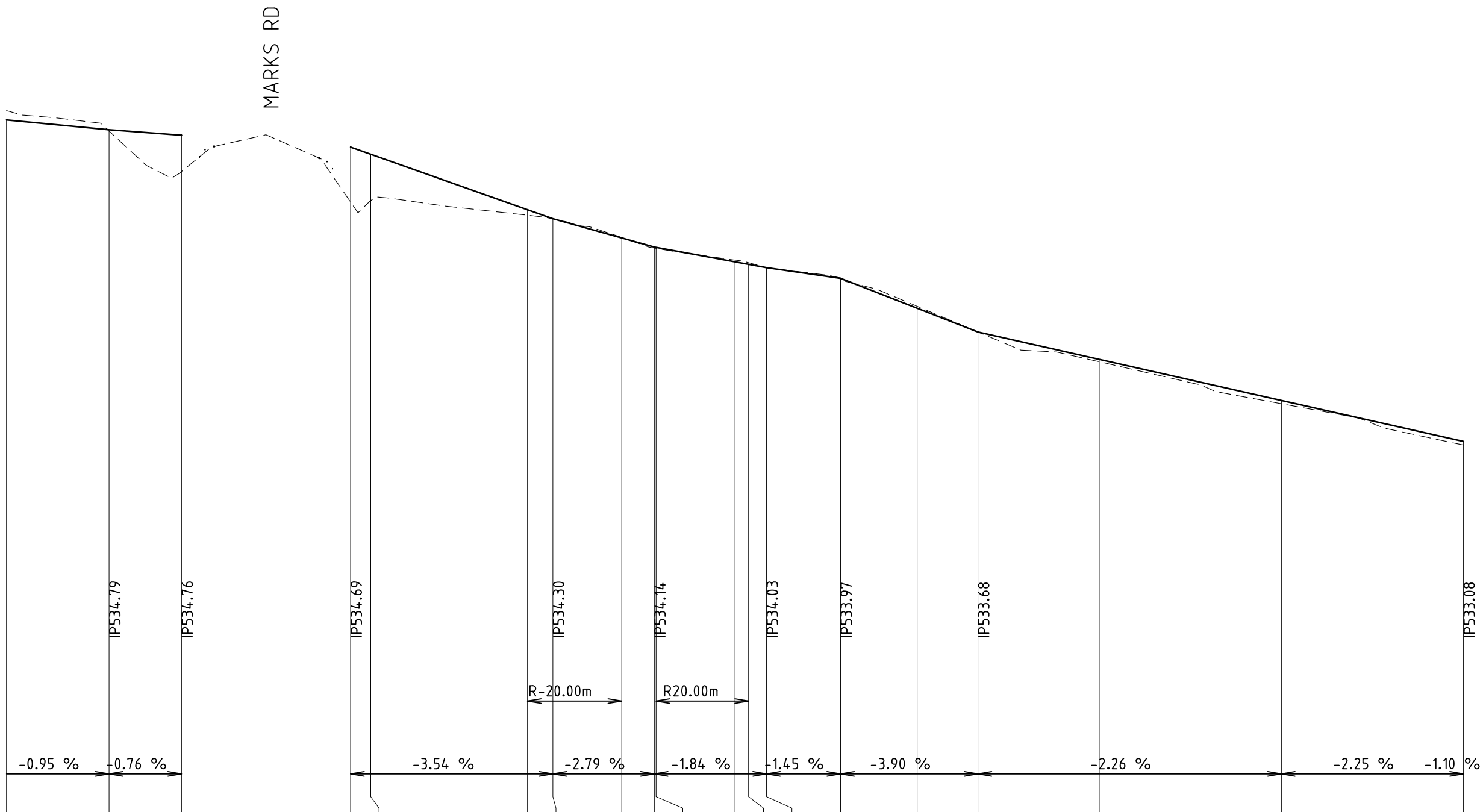
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Scale (m) H 1:250 0 2.5 5  
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Murrindindi Shire Council - Kinglake					
Murrindindi Shire Council					
Watsons Road Footpath					
Path Longitudinal Section 6					
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Horiz Curve Data

V.C. Length (m)

Design Cline Grade (%)

DATUM R.L.531

Design Surface	534.84	534.79	534.76	534.69	534.65	534.35	534.30	534.19	534.14	534.14	534.06	534.05	534.03	533.97	533.81	533.68	533.53	533.30	533.08
Centreline Levels	534.89	534.78	534.56	534.39	534.40	534.32	534.30	534.19	534.14	534.13	534.07	534.06	534.03	533.97	533.82	533.68	533.51	533.28	533.06
Existing Surface	480.00	485.63	489.61	498.89	500.00	508.61	510.00	513.78	515.57	515.67	520.00	520.74	521.73	525.80	530.00	533.34	540.00	550.00	560.00
Chainage																			

Scales Hor 1 : 250  
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LONGITUDINAL SECTION - path

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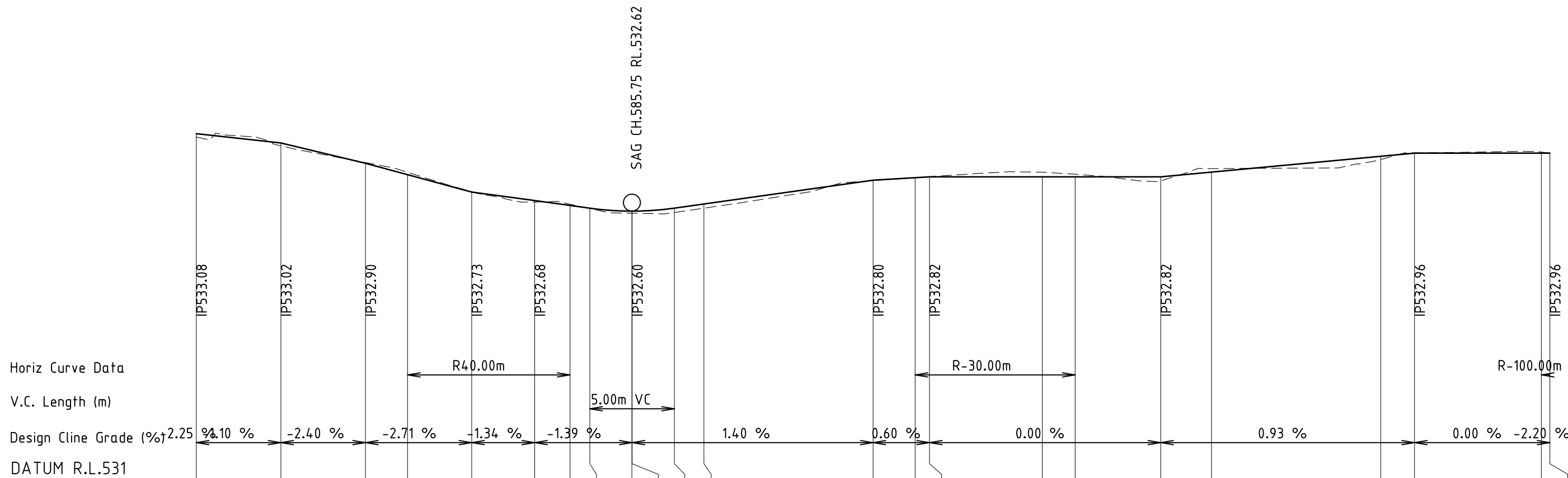
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All lengths are in metres  
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 7**

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Design Surface Centreline Levels	533.08	533.02	532.90	532.83	532.73	532.68	532.65	532.63	532.62	532.62	532.64	532.66	532.80	532.81	532.82	532.82	532.82	532.85	532.94	532.96	532.96	532.96	532.96
Existing Surface	533.06	533.00	532.90	532.85	532.73	532.67	532.66	532.63	532.60	532.60	532.61	532.63	532.80	532.81	532.82	532.85	532.84	532.80	532.87	532.92	532.96	532.97	532.96
Chainage	560.00	565.00	570.00	572.49	576.28	580.00	582.09	583.26	585.75	585.76	588.26	590.00	600.00	602.49	603.33	610.00	611.94	617.00	620.00	630.00	632.00	639.50	640.00

Scales Hor 1 : 250  
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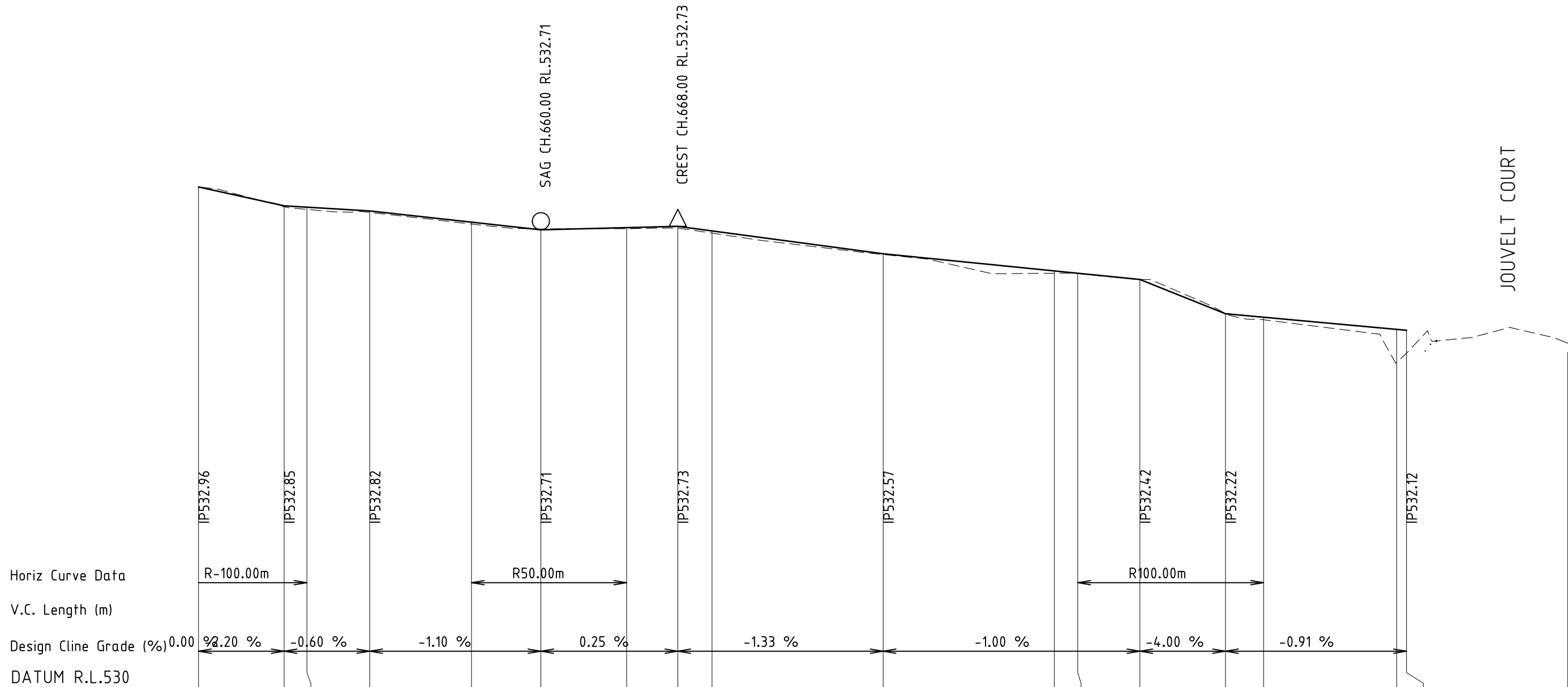
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Scale (m) H 1:250 0 2.5 5  
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 Council Ref: ----  
 Water Auth. Ref: ----  
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 8**



Design Surface	Centreline Levels	Existing Surface	Chainage
	532.96	532.96	640.00
	532.85	532.84	645.00
	532.84	532.83	646.33
	532.82	532.81	650.00
	532.75	532.74	655.95
	532.71	532.71	660.00
	532.72	532.72	665.01
	532.73	532.72	668.00
	532.70	532.69	670.00
	532.57	532.57	680.00
	532.47	532.46	690.00
	532.46	532.45	691.37
	532.42	532.42	695.00
	532.22	532.22	700.00
	532.20	532.18	702.23
	532.13	531.94	710.00
	532.12	531.99	710.57
		532.05	720.00

Scales Hor 1 : 250  
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Scale (m)

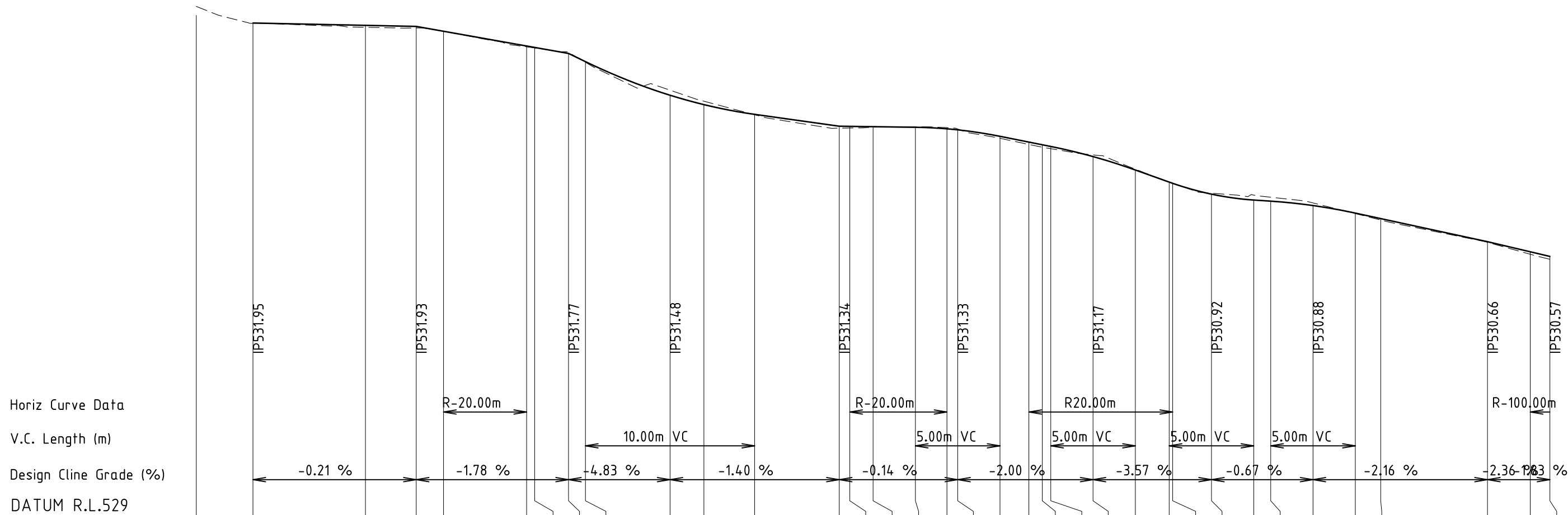
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 9**

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Chainage	Existing Surface	Design Surface Centreline Levels
720.00	532.05	
723.35	531.95	531.95
730.00	531.92	531.94
733.00	531.92	531.93
734.61	531.90	531.90
739.52	531.81	531.81
740.00	531.80	531.81
742.00	531.78	531.77
743.00	531.72	531.72
748.00	531.55	531.52
750.00	531.49	531.47
753.00	531.41	531.41
758.00	531.33	531.34
758.62	531.33	531.34
760.00	531.33	531.34
762.50	531.34	531.33
764.36	531.33	531.32
765.00	531.32	531.32
767.50	531.27	531.28
769.21	531.23	531.25
770.00	531.22	531.23
770.50	531.21	531.22
773.00	531.17	531.16
775.50	531.08	531.08
777.50	531.01	531.01
777.71	531.00	531.00
780.00	530.94	530.94
782.50	530.93	530.90
783.50	530.92	530.90
786.00	530.89	530.87
788.50	530.82	530.83
790.00	530.79	530.79
796.31	530.65	530.66
798.84	530.58	530.60
800.00	530.55	530.57

Scales Hor 1 : 250  
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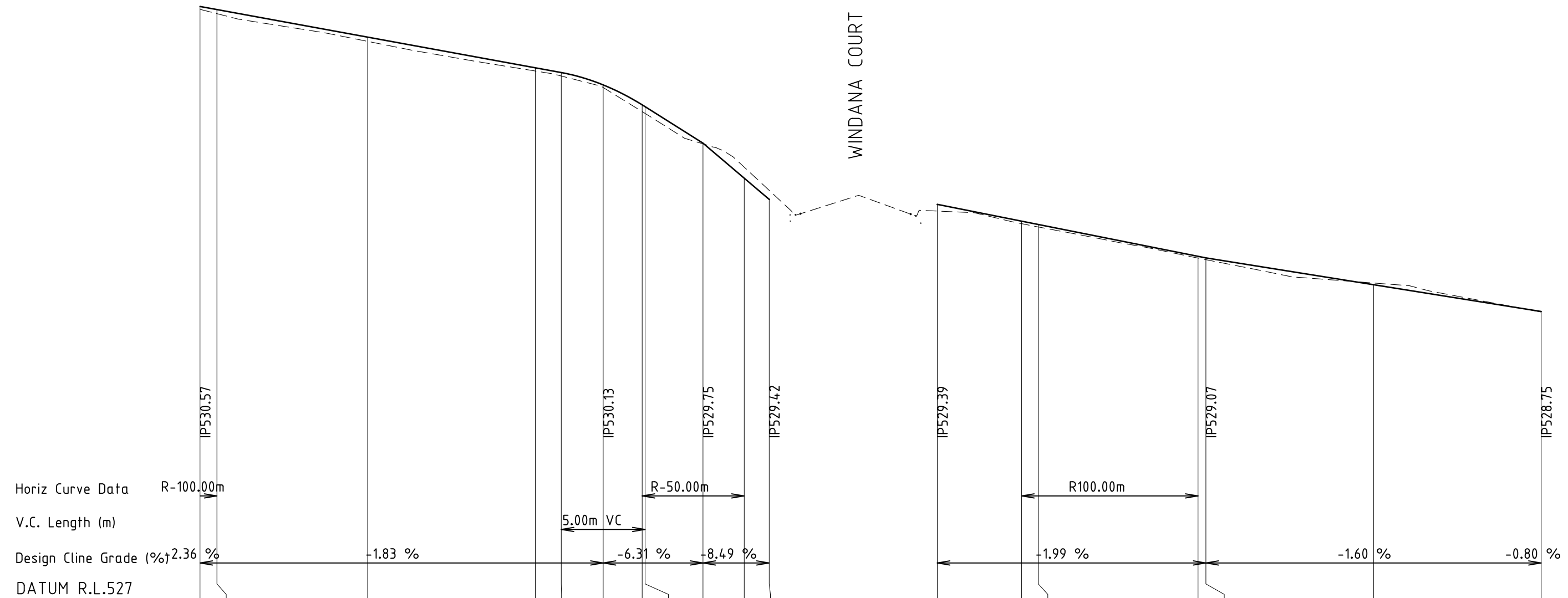
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**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 10**

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WINDANA COURT



Horiz Curve Data R-100.00m  
 V.C. Length (m) 5.00m VC  
 Design Cline Grade (%) 2.36%  
 DATUM R.L.527

Design Surface	530.57	530.55	530.39	530.20	530.18	530.10	529.98	529.97	529.75	529.55	529.42	529.39	529.29	529.27	529.08	529.07	528.91	528.75
Centreline Levels	530.57	530.55	530.39	530.20	530.18	530.10	529.98	529.97	529.75	529.55	529.42	529.39	529.29	529.27	529.08	529.07	528.91	528.75
Existing Surface	530.55	530.53	530.36	530.18	530.16	530.09	529.94	529.93	529.75	529.61	529.47	529.35	529.27	529.25	529.07	529.06	528.92	528.75
Chainage	800.00	801.01	810.00	820.00	821.55	824.05	826.37	826.55	830.00	832.46	833.95	843.98	849.01	850.00	859.53	860.00	870.00	880.00

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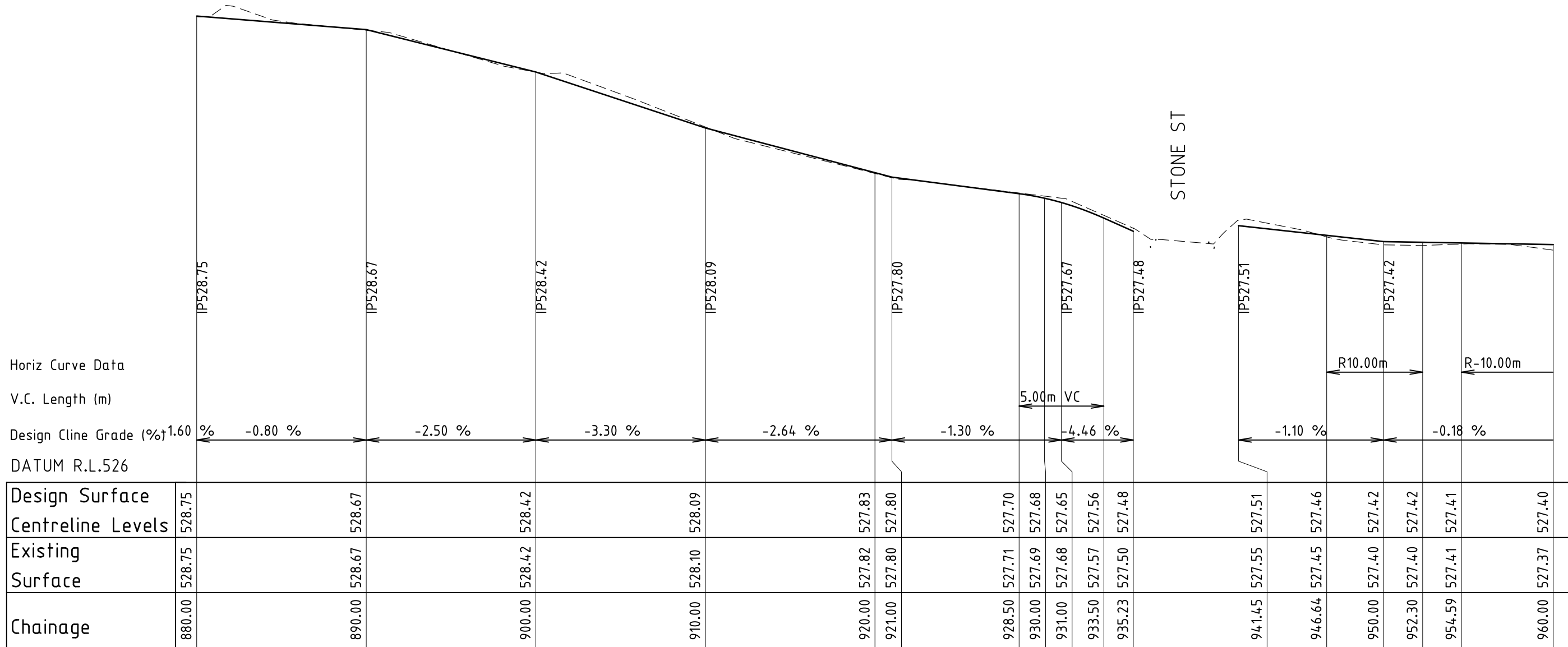
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 11**

Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet
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 East Bendigo, Vic 3550  
 Ph: 03 5442 5799  
 Fax: 03 5441 5506  
 E: info@terraco.com.au  
 Web: www.terraco.com.au

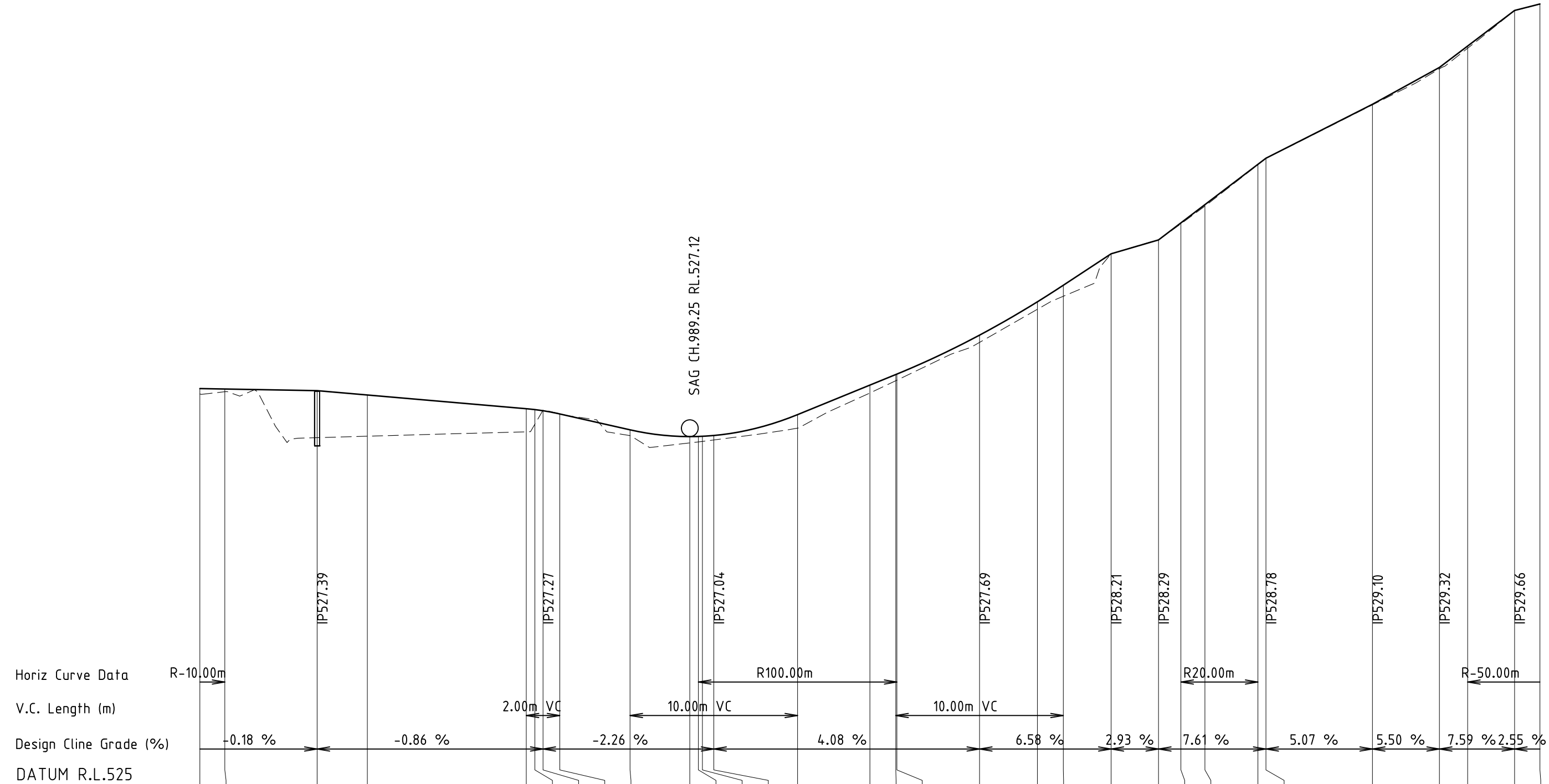
Scale (m) H 1:250 0 2.5 5  
 V 1:25 0 0.25 0.5

All lengths are in metres  
 and all levels are to Australian Height Datum  
 (Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg  
 LTO Ref: ----

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 12**

Council Ref: ----	Water Auth. Ref: ----	Our Ref: 20131	Version: 1	Sheet: 22 of 39
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Design Surface	Centreline Levels	Existing Surface	Chainage
	527.40	527.37	960.00
	527.40	527.38	961.49
	527.39	527.11	967.00
	527.36	527.12	970.00
	527.28	527.14	979.49
	527.28	527.19	980.00
	527.27	527.27	980.49
	527.25	527.25	981.49
	527.16	527.12	985.68
	527.12	527.08	989.25
	527.12	527.08	989.76
	527.12	527.09	990.00
	527.12	527.09	990.68
	527.25	527.17	995.68
	527.42	527.38	1000.00
	527.49	527.45	1001.55
	527.49	527.45	1001.61
	527.72	527.68	1006.55
	527.92	527.88	1010.00
	528.02	527.95	1011.55
	528.21	528.21	1014.40
	528.29	528.29	1017.23
	528.39	528.39	1018.57
	528.50	528.49	1020.00
	528.74	528.74	1023.17
	528.78	528.78	1023.64
	529.10	529.10	1030.00
	529.32	529.31	1034.00
	529.45	529.43	1035.68
	529.66	529.66	1038.49
	529.70	529.70	1040.00

Scales Hor 1 : 250  
 (A3 orig) Ver 1 : 25

**LONGITUDINAL SECTION - path**

Printed: 2020-12-01 12:14:41

Ver	Revision Description	Date	Designed	Checked	Approved
6					
5					
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3					
2					
1	Original Issue	1/12/20			
0	Draft	-			

Notes/Legend	

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Scale (m) H 1:250 0 2.5 5  
 V 1:25 0 0.25 0.5

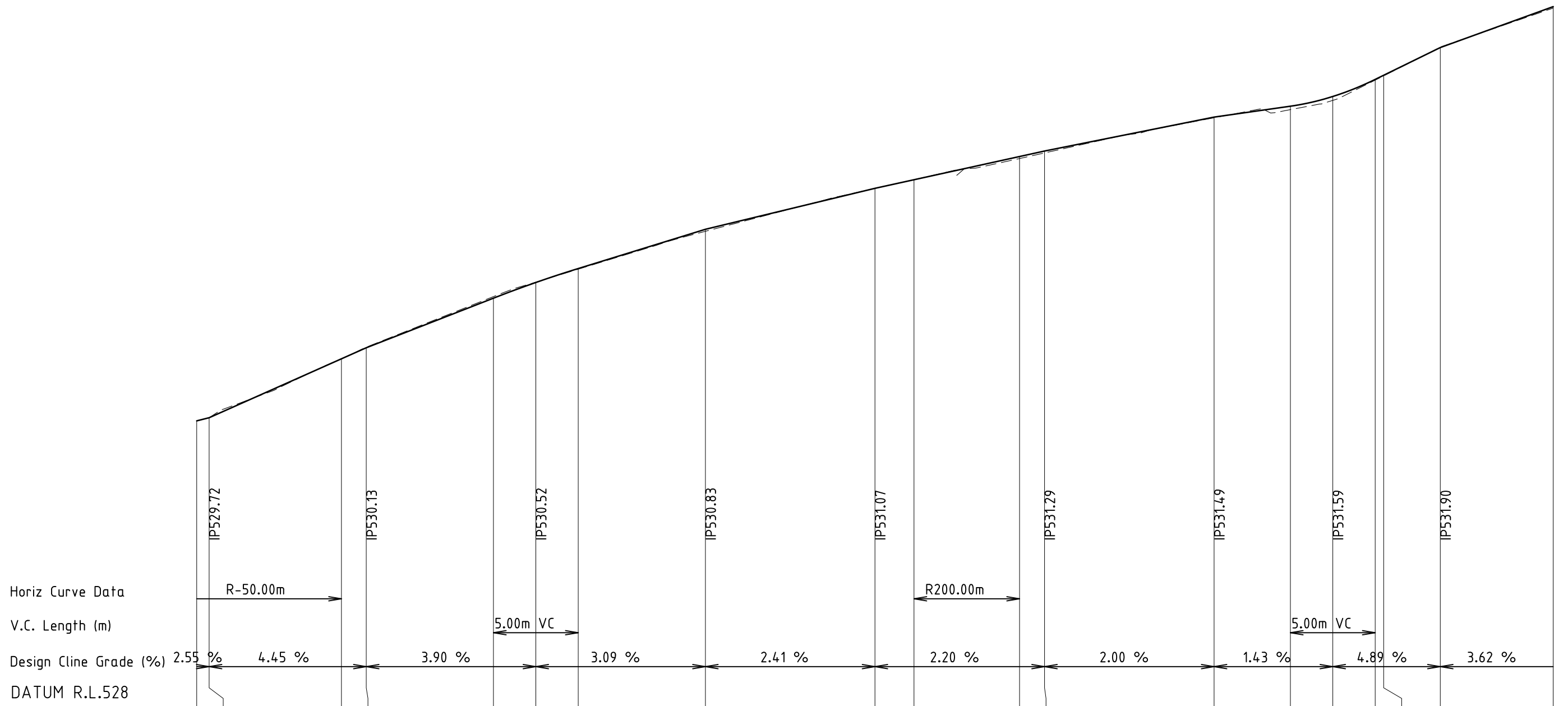
All lengths are in metres  
 and all levels are to Australian Height Datum  
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Drawing file: 20131 5 Road.dwg  
 LTO Ref: ---  
 Council Ref: ---  
 Water Auth. Ref: ---

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 13**

Our Ref:	Version	Sheet
20131	1	23 of 39





Horiz Curve Data  
 V.C. Length (m)  
 Design Cline Grade (%)  
 DATUM R.L.528

Design Surface	529.70	529.72	530.06	530.13	530.42	530.51	530.60	530.83	531.07	531.12	531.26	531.29	531.49	531.55	531.61	531.71	531.74	531.90	532.14
Centreline Levels	529.70	529.72	530.07	530.13	530.43	530.52	530.59	530.82	531.07	531.12	531.25	531.28	531.49	531.53	531.59	531.71	531.73	531.90	532.13
Existing Surface	1040.00	1040.73	1048.54	1050.00	1057.50	1060.00	1062.50	1070.00	1080.00	1082.30	1088.53	1090.00	1100.00	1104.50	1107.00	1109.50	1110.00	1113.34	1120.00
Chainage																			

Scales Hor 1 : 250  
 (A3 orig) Ver 1 : 25

LONGITUDINAL SECTION - path

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6			Designed	Checked
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2			Approved	
1	Original Issue	1/12/20		
0	Draft	-		
Ver	Revision Description	Date		

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 V 1:25 0 0.25 0.5

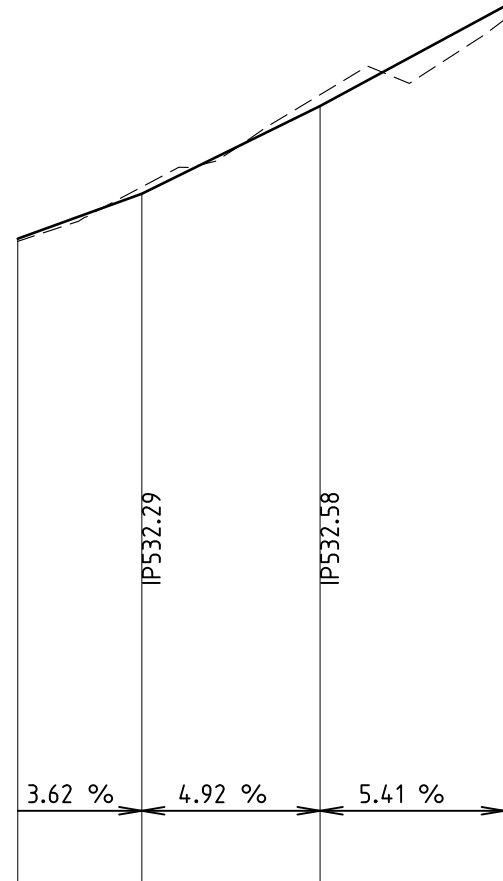
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 and all levels are to Australian Height Datum  
 (Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg  
 LTO Ref: ----

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
**Watsons Road Footpath**  
**Path Longitudinal Section 14**

Council Ref: ----	Water Auth. Ref: ----	Our Ref: 20131	Version: 1	Sheet: 24 of 39
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KELLY ST



Horiz Curve Data

V.C. Length (m)

Design Cline Grade (%)

DATUM R.L.530

Design Surface	532.14	532.29	532.58	532.91
Centreline Levels	532.13	532.31	532.62	532.87
Existing Surface	532.13	532.31	532.62	532.87
Chainage	1120.00	1124.10	1130.00	1136.09

Scales Hor 1 : 250  
(A3 orig) Ver 1 : 25

LONGITUDINAL SECTION - path

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6			Designed	Checked	Notes/Legend
5					
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3					
2			Approved		
1	Original Issue	1/12/20			
0	Draft	-			
Ver	Revision Description	Date			

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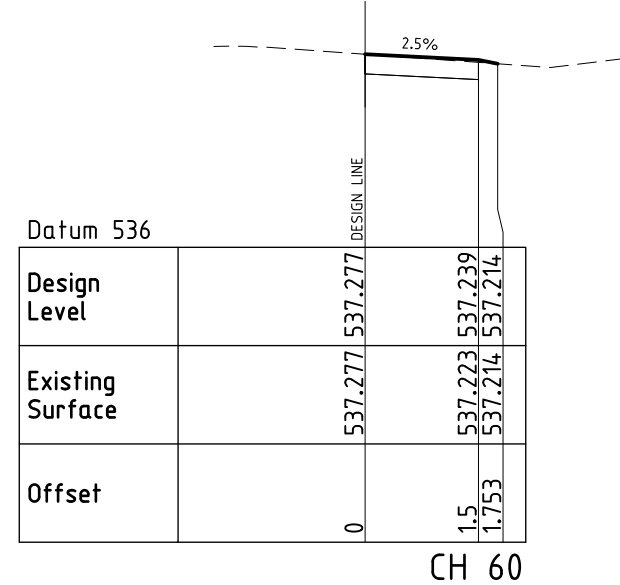
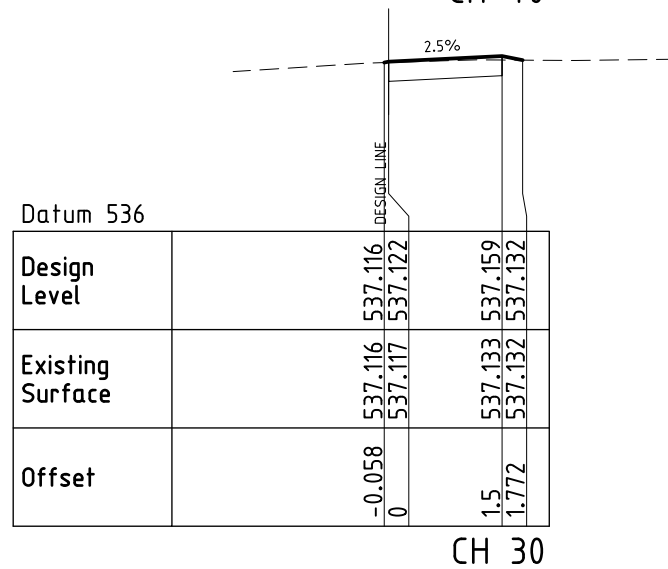
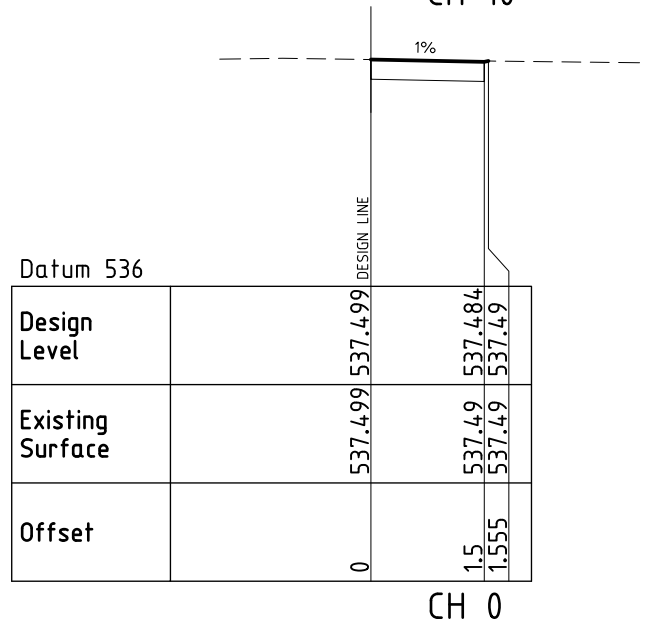
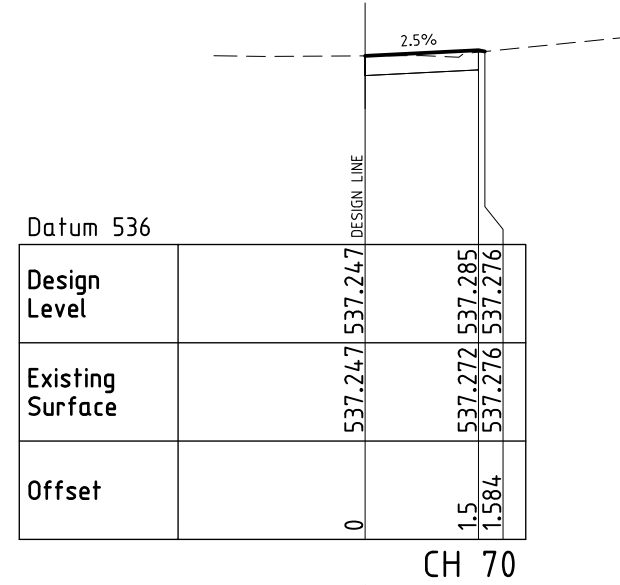
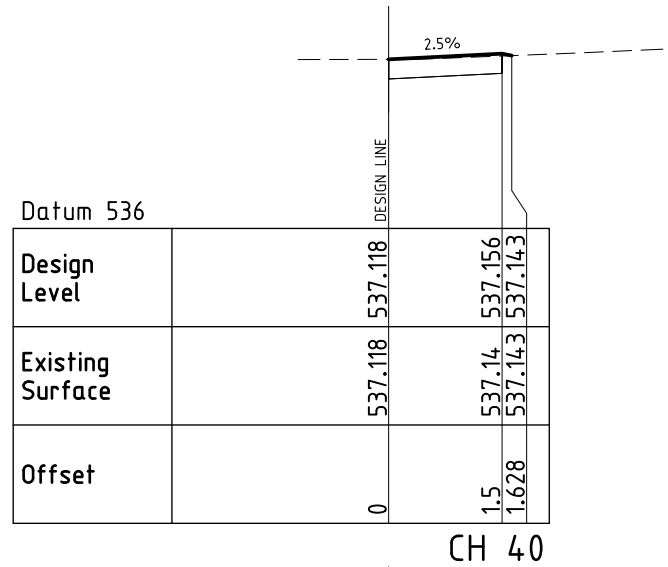
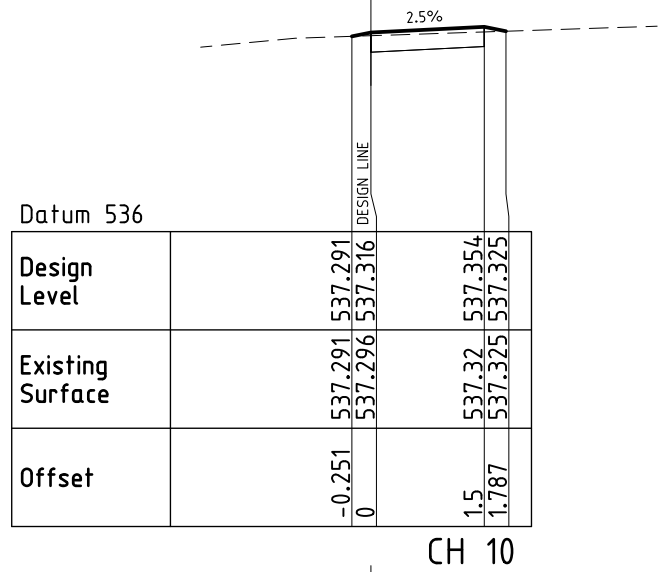
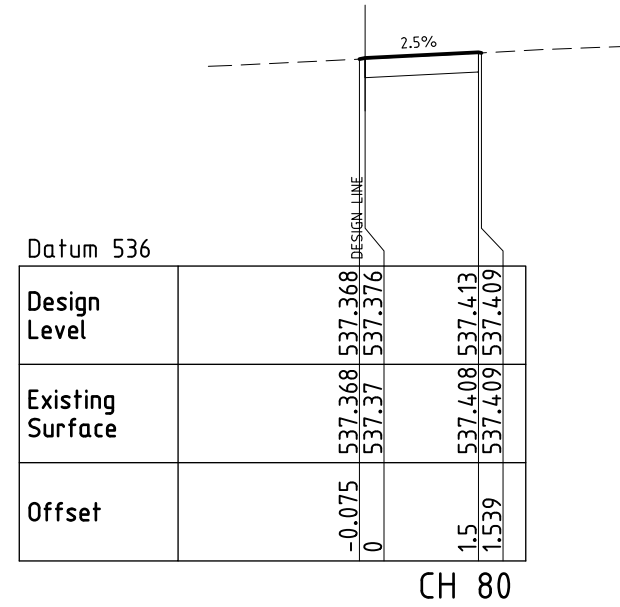
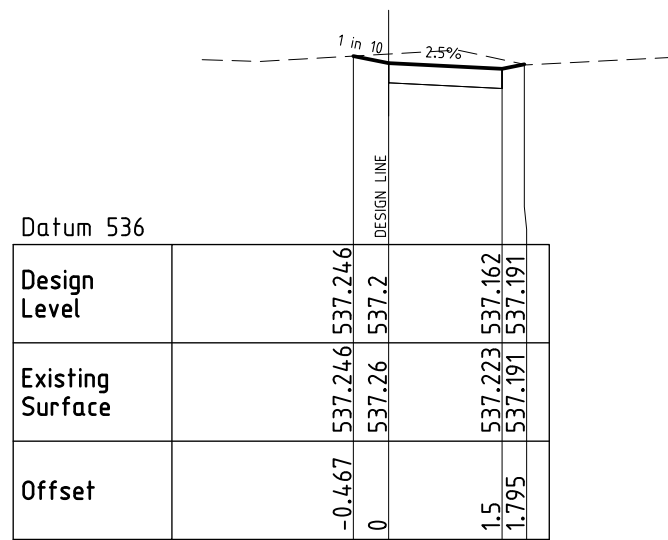
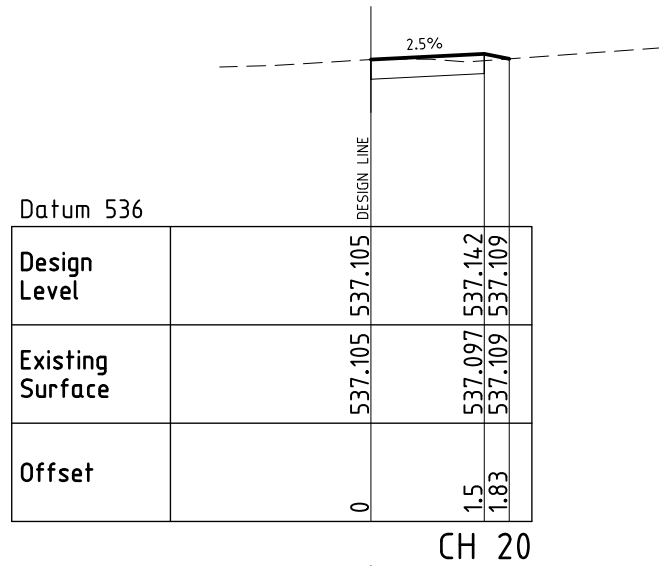
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All lengths are in metres  
and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg LTO Ref: ----  
Council Ref: ---- Water Auth. Ref: ----  
Our Ref: 20131 Version 1 Sheet 25 of 39

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Longitudinal Section 15

Council Ref: ---- Water Auth. Ref: ----  
Our Ref: 20131 Version 1 Sheet 25 of 39



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2			Approved	
1	Original Issue	1/12/20		
0	Draft	-		
Ver	Revision Description	Date		

Notes/Legend

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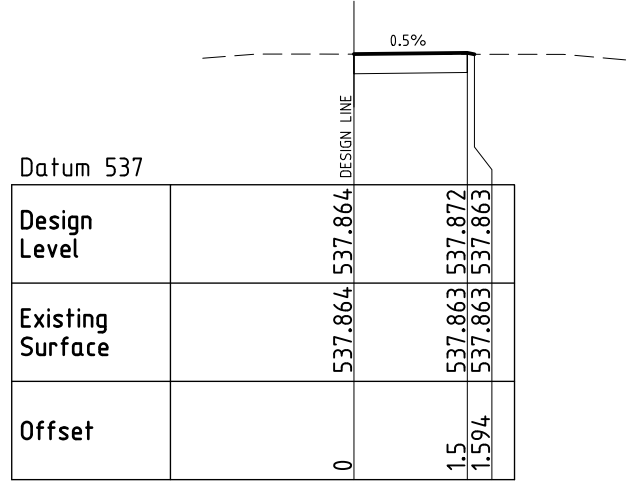
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All lengths are in metres  
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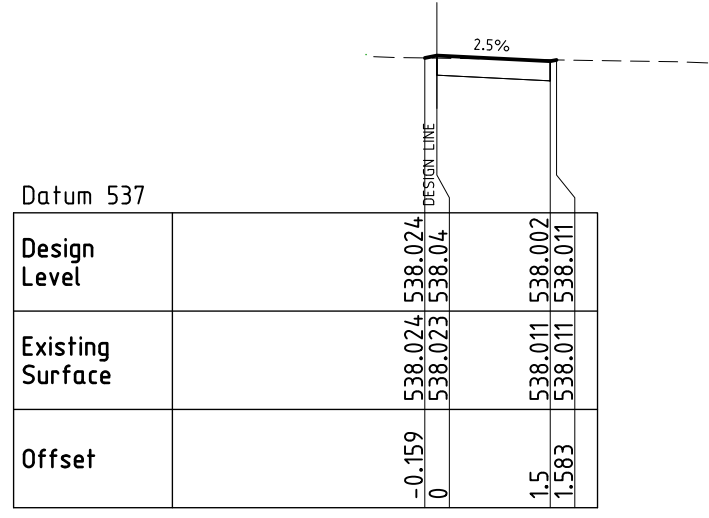
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LTO Ref: ----

Murrindindi Shire Council - Kinglake  
Murrindindi Shire Council  
Watsons Road Footpath  
Path Cross Sections 1

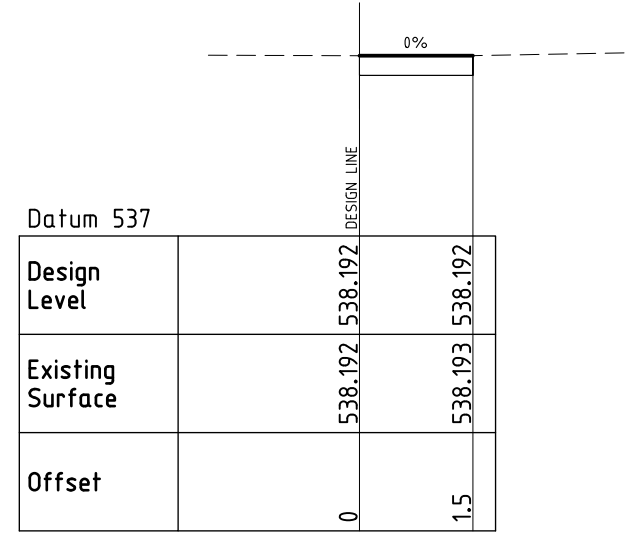
Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet
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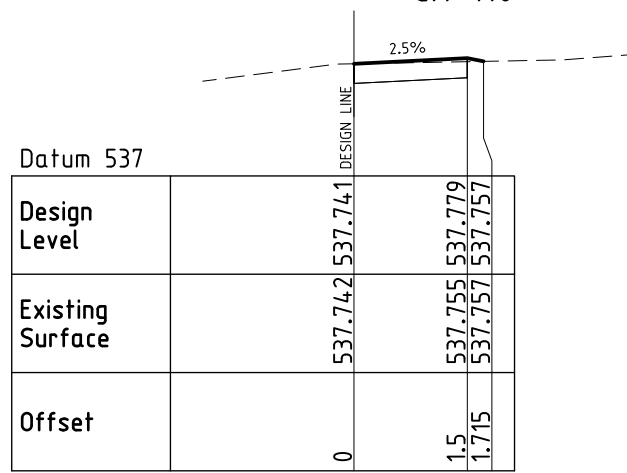
CH 110



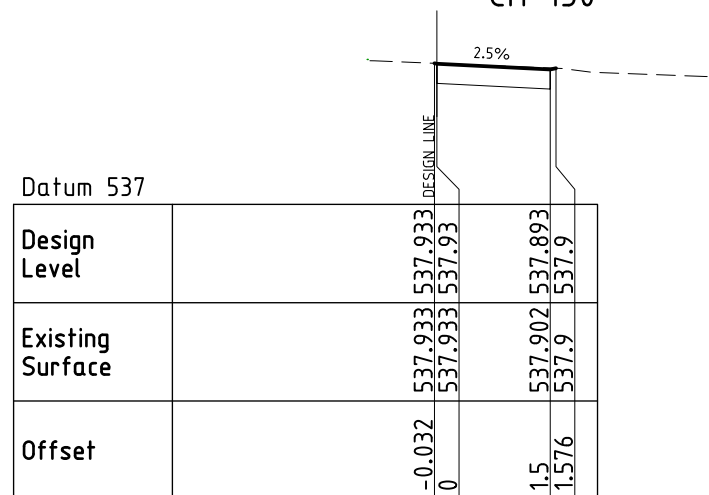
CH 150



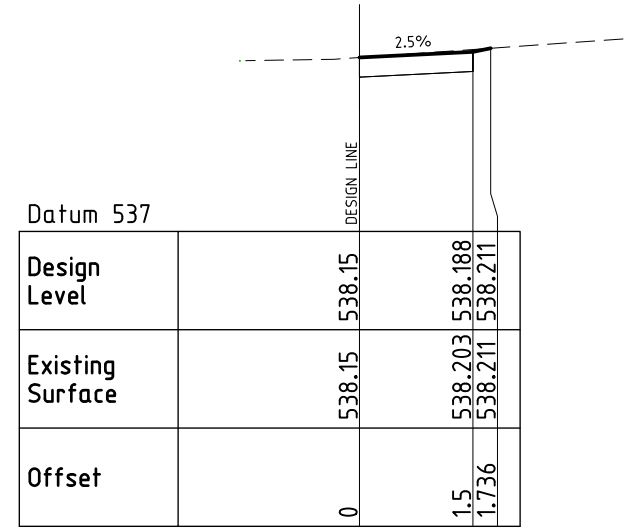
CH 180



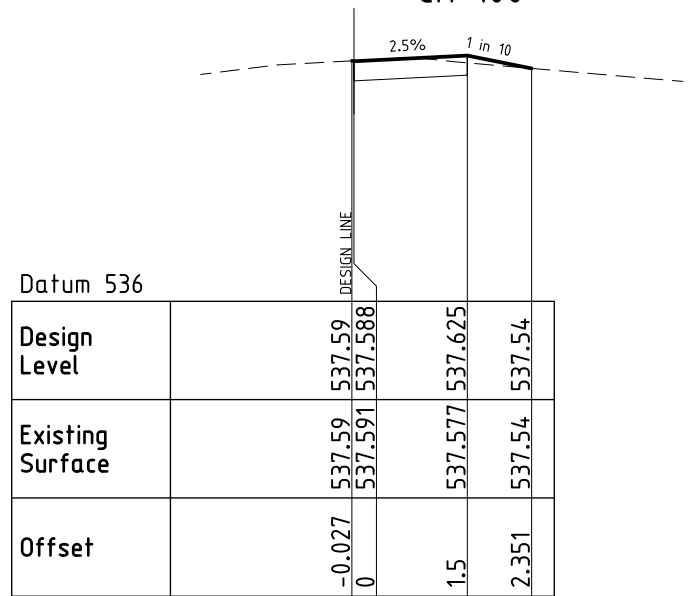
CH 100



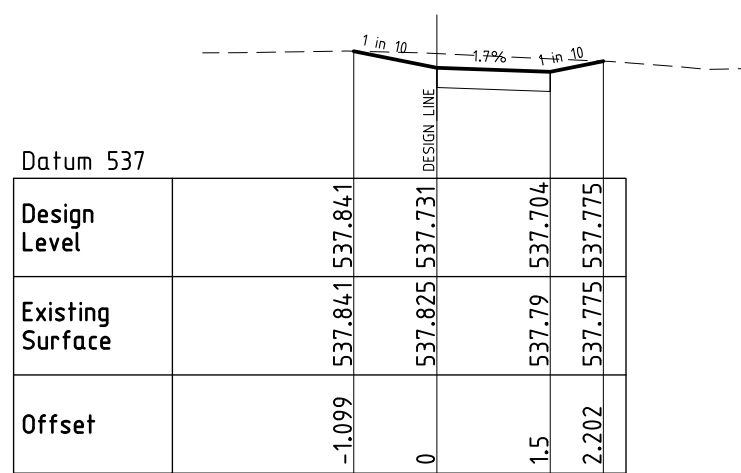
CH 140



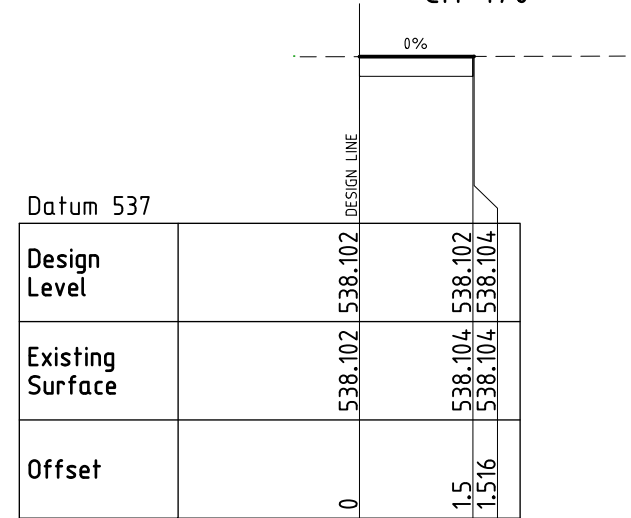
CH 170



CH 90



CH 130



CH 160

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1	Original Issue	1/12/20		
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Ver	Revision Description	Date		

Notes/Legend

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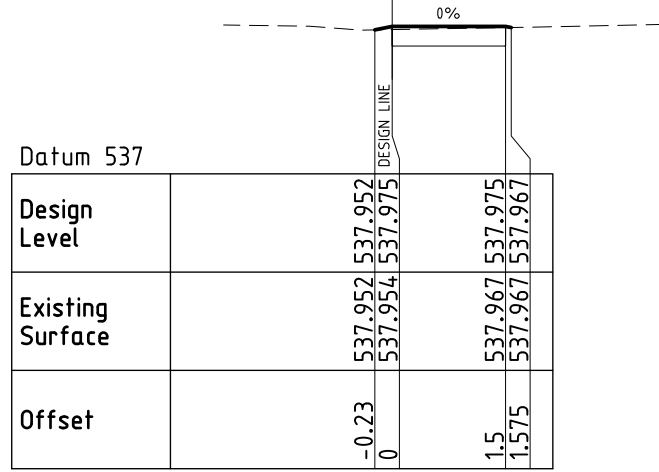
**Terraco P/L**  
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E: info@terraco.com.au  
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Scale (m)  
H 1:100 0 1 2  
V 1:50 0 0.5 1

All lengths are in metres  
and all levels are to Australian Height Datum  
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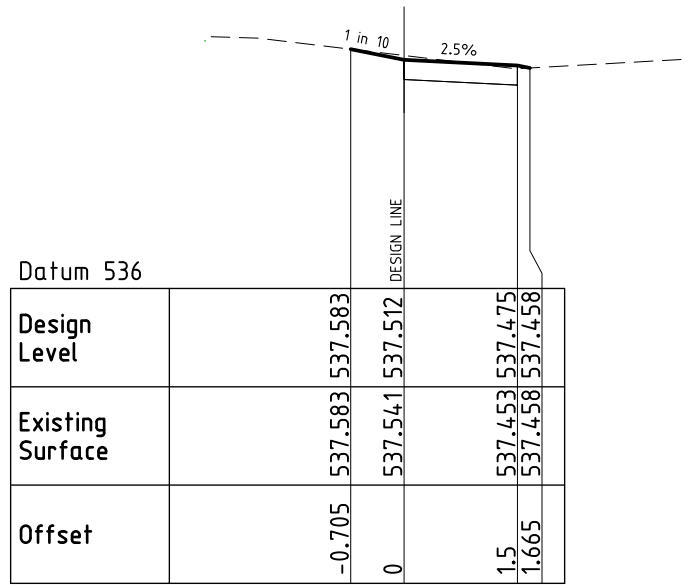
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LTO Ref: ---  
Council Ref: ---  
Water Auth. Ref: ---  
Our Ref: 20131  
Version: 1  
Sheet: 27 of 39

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Cross Sections 2



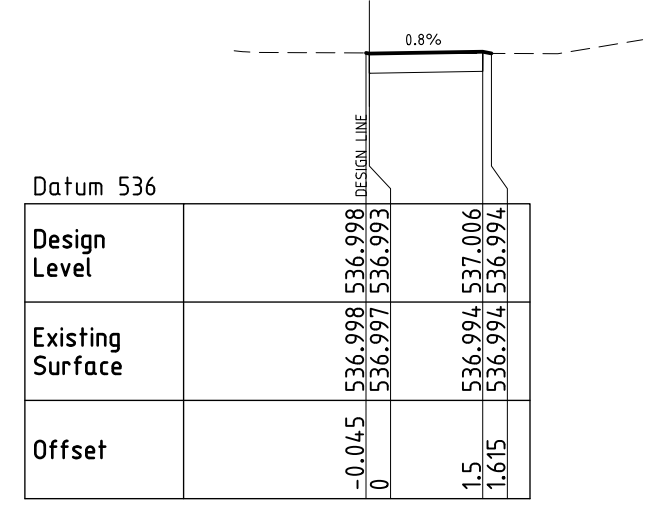
Datum 537		
Design Level	537.952	537.952
Existing Surface	537.954	537.975
Offset	-0.23	0
		1.5
		1.575

CH 210



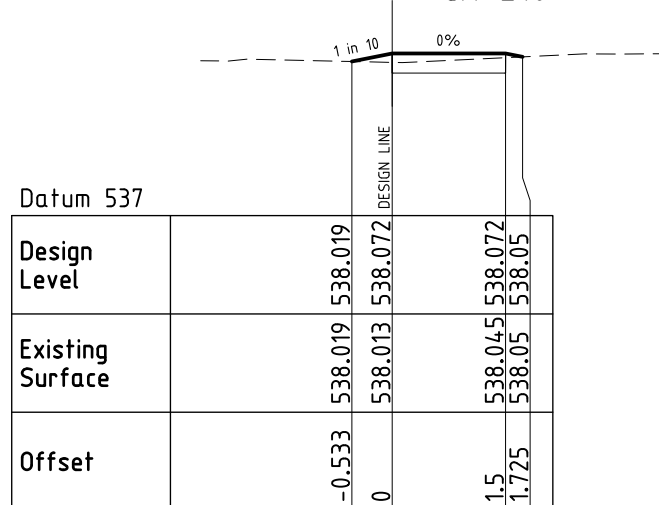
Datum 536		
Design Level	537.583	537.512
Existing Surface	537.583	537.475
Offset	-0.705	0
		1.5
		1.665

CH 240



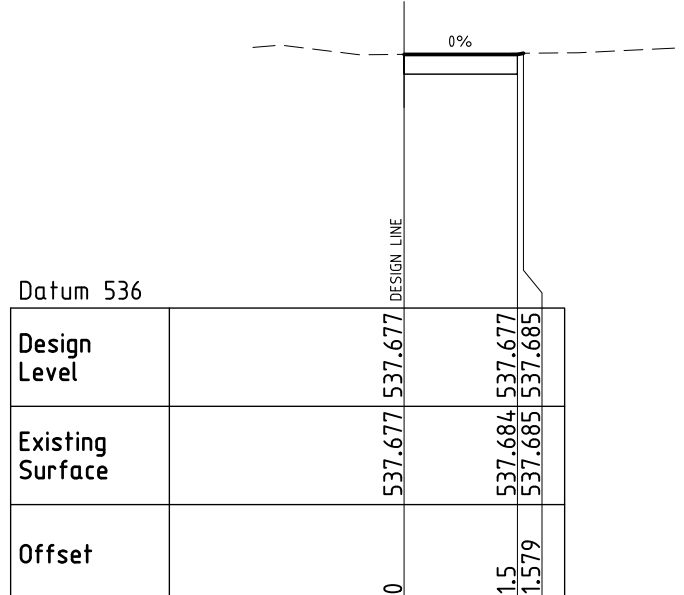
Datum 536		
Design Level	536.998	536.998
Existing Surface	536.997	536.993
Offset	-0.045	0
		1.5
		1.615

CH 270



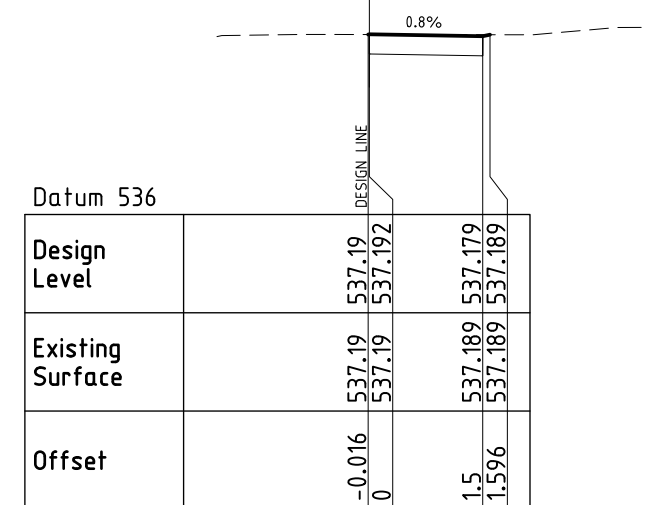
Datum 537		
Design Level	538.019	538.072
Existing Surface	538.013	538.072
Offset	-0.533	0
		1.5
		1.725

CH 200



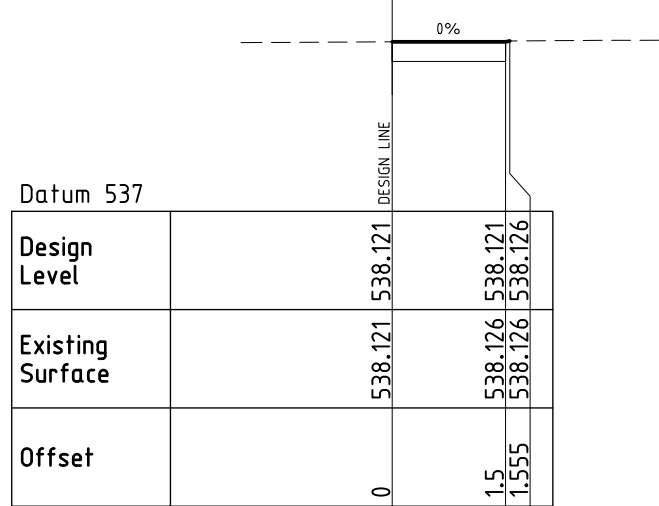
Datum 536		
Design Level	537.677	537.677
Existing Surface	537.677	537.677
Offset	0	0
		1.5
		1.579

CH 230



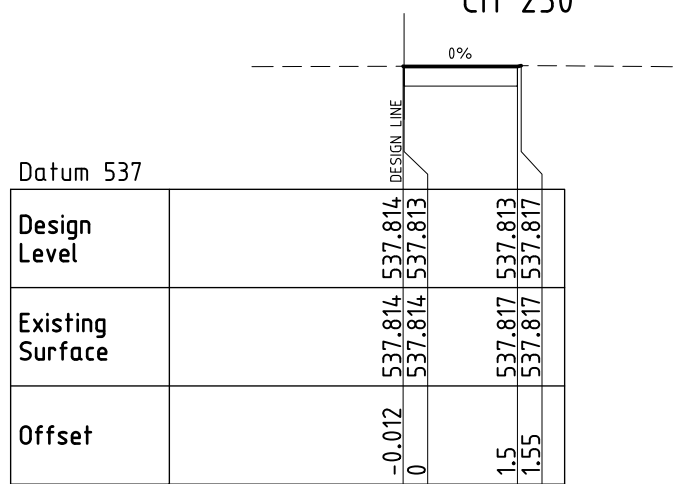
Datum 536		
Design Level	537.19	537.192
Existing Surface	537.19	537.179
Offset	-0.016	0
		1.5
		1.596

CH 260



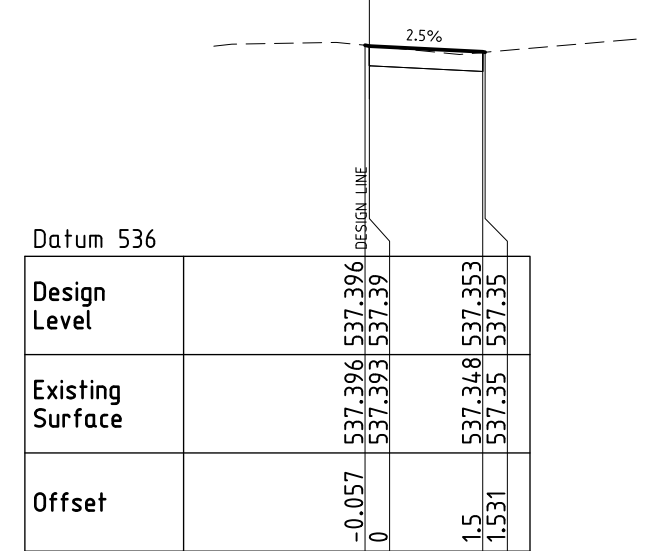
Datum 537		
Design Level	538.121	538.121
Existing Surface	538.121	538.126
Offset	0	0
		1.5
		1.555

CH 190



Datum 537		
Design Level	537.814	537.813
Existing Surface	537.814	537.813
Offset	-0.012	0
		1.5
		1.55

CH 220



Datum 536		
Design Level	537.396	537.396
Existing Surface	537.393	537.353
Offset	-0.057	0
		1.5
		1.531

CH 250

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Ver	Revision Description	Date	Designed	Checked	Approved
6					
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1	Original Issue	1/12/20			
0	Draft	-			

Notes/Legend	

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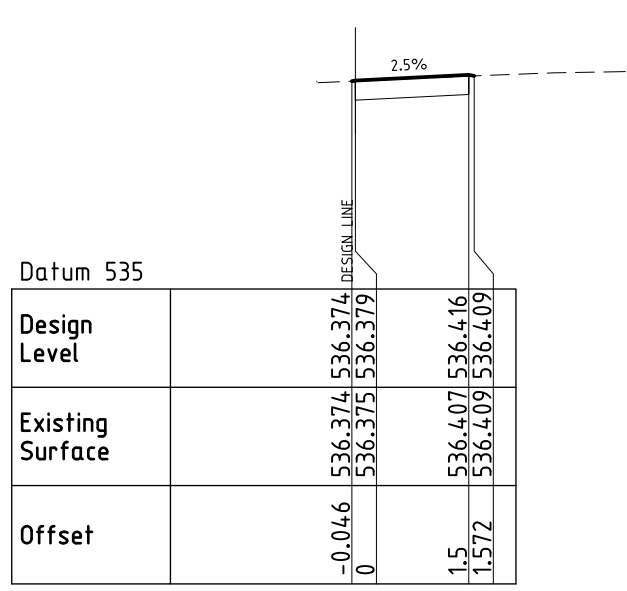
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All lengths are in metres  
and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg  
LTO Ref: ----

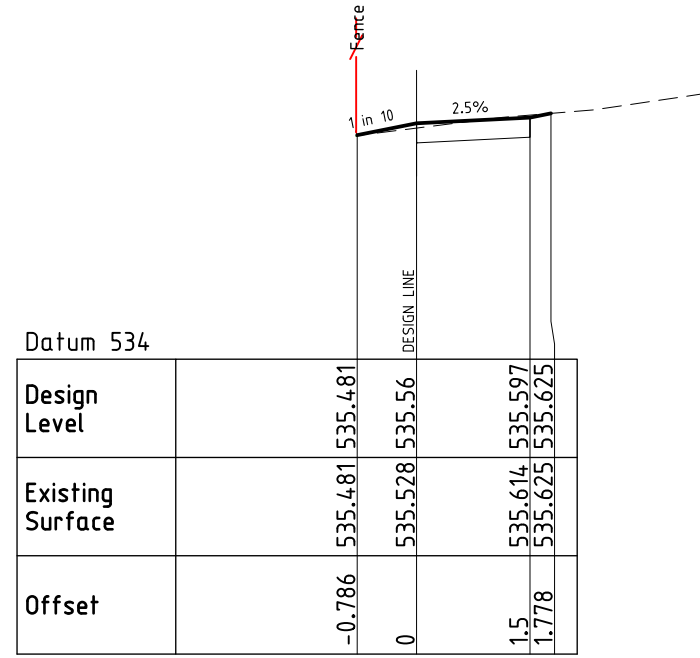
Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Cross Sections 3

Council Ref: ----	Water Auth. Ref: ----	Our Ref: 20131	Version: 1	Sheet: 28 of 39
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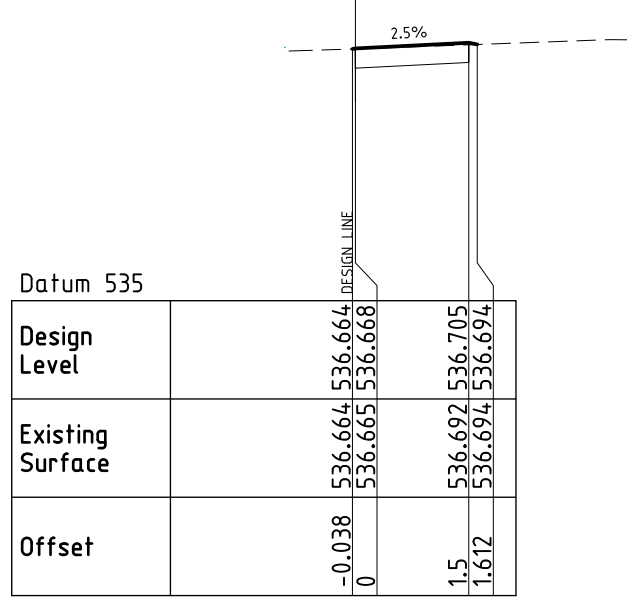
Datum 535		
Design Level	536.374	536.374
Existing Surface	536.375	536.409
Offset	-0.046	1.572

CH 300



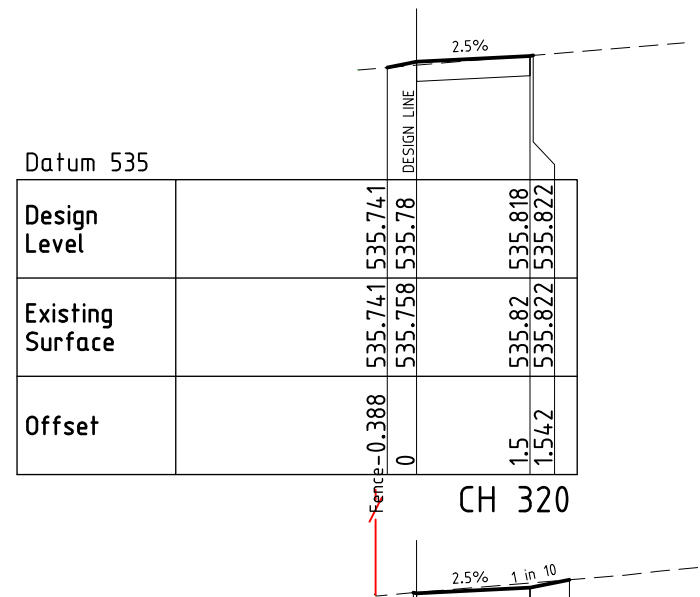
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Design Level	535.481	535.597
Existing Surface	535.528	535.625
Offset	-0.786	1.778

CH 330



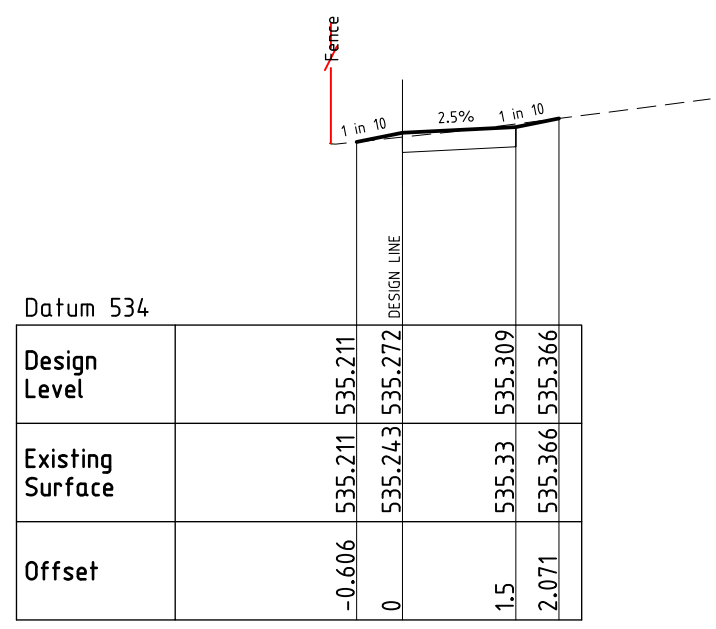
Datum 535		
Design Level	536.664	536.705
Existing Surface	536.665	536.694
Offset	-0.038	1.612

CH 290



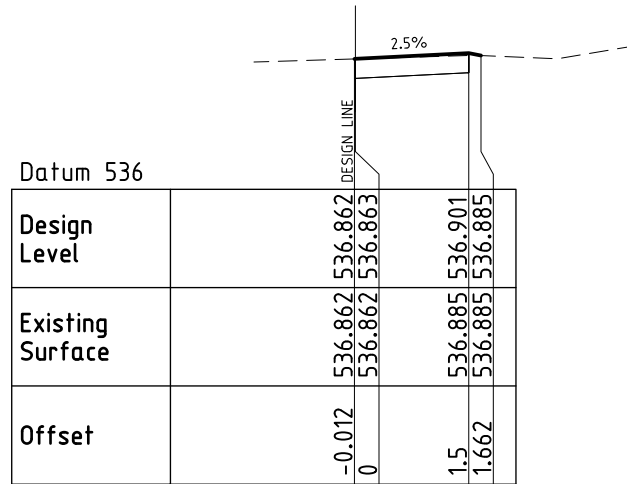
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Design Level	535.741	535.818
Existing Surface	535.758	535.822
Offset	-0.388	1.542

CH 320



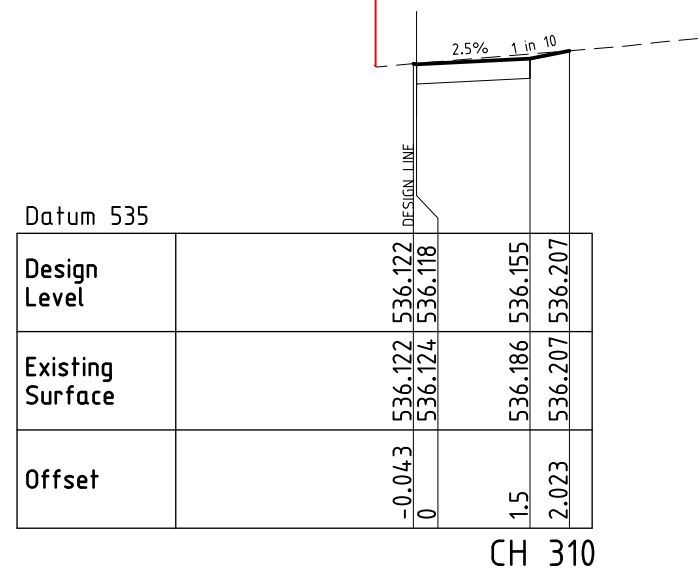
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Design Level	535.211	535.309
Existing Surface	535.243	535.366
Offset	-0.606	2.071

CH 350



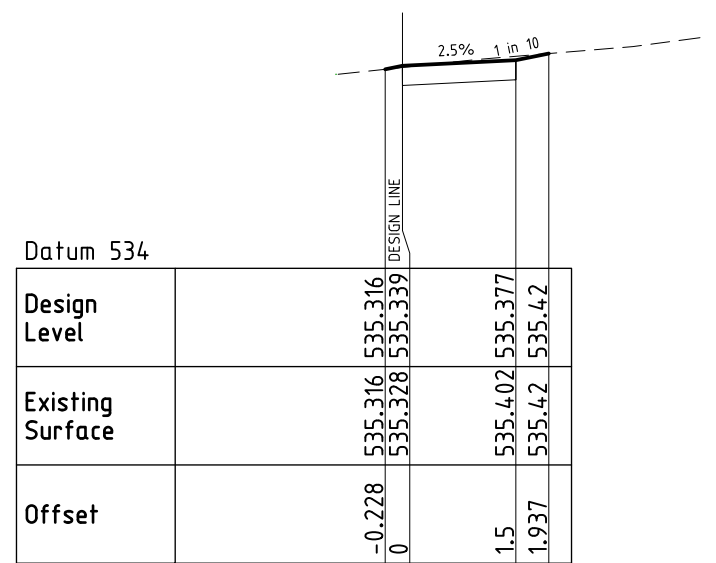
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Design Level	536.862	536.901
Existing Surface	536.863	536.885
Offset	-0.012	1.662

CH 280



Datum 535		
Design Level	536.122	536.155
Existing Surface	536.124	536.207
Offset	-0.043	2.023

CH 310



Datum 534		
Design Level	535.316	535.377
Existing Surface	535.328	535.42
Offset	-0.228	1.937

CH 340

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6		Designed	Checked
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2		Approved	
1	Original Issue	1/12/20	
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Ver	Revision Description	Date	

Notes/Legend	
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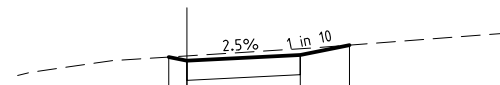
**Terraco P/L**  
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Scale (m) H 1:100 0 1 2  
V 1:50 0 0.5 1

All lengths are in metres  
and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg  
LTO Ref: ----  
Council Ref: ----  
Water Auth. Ref: ----  
Our Ref: 20131  
Version: 1  
Sheet: 29 of 39

Murrindindi Shire Council - Kinglake  
Murrindindi Shire Council  
Watsons Road Footpath  
Path Cross Sections 4

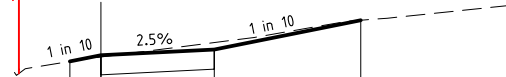


Datum 534

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Existing Surface		535.459	535.428
Offset		-0.24	0
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	2.151	535.53	535.53

CH 370

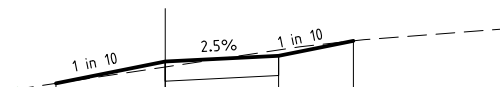
Fence



Datum 534

Design Level		535.289	535.289
Existing Surface		535.318	535.33
Offset		-0.411	0
	1.5	535.414	535.368
	3.438	535.561	535.561

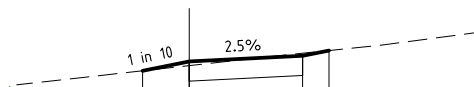
CH 360



Datum 534

Design Level		535.475	535.475
Existing Surface		535.584	535.62
Offset		-1.446	0
	1.5	535.696	535.658
	2.489	535.756	535.756

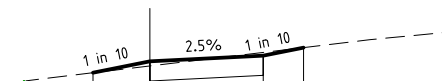
CH 390



Datum 534

Design Level		535.438	535.438
Existing Surface		535.473	535.5
Offset		-0.617	0
	1.5	535.555	535.538
	1.849	535.572	535.572

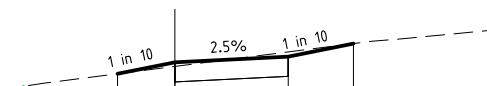
CH 380



Datum 534

Design Level		535.525	535.525
Existing Surface		535.57	535.6
Offset		-0.752	0
	1.5	535.659	535.638
	2.034	535.691	535.691

CH 410



Datum 534

Design Level		535.564	535.564
Existing Surface		535.613	535.64
Offset		-0.758	0
	1.5	535.709	535.677
	2.363	535.764	535.764

CH 400

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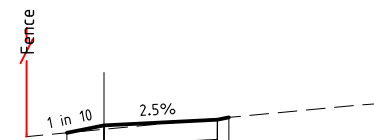
**Terraco P/L**  
ABN 12 681 695 776  
9 Jewell Court  
East Bendigo, Vic 3550  
Ph: 03 5442 5799  
Fax: 03 5441 5506  
E: info@terraco.com.au  
Web: www.terraco.com.au

Scale (m)  1 2  
H 1:100 0 1 2  
V 1:50 0 0.5 1

All lengths are in metres  
and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg  
LTO Ref: ---  
Council Ref: ---  
Water Auth. Ref: ---  
Our Ref: 20131  
Version: 1  
Sheet: 30 of 32

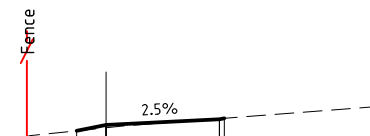
Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Cross Sections 5



Datum 534

Design Level		535.481	535.481
Existing Surface		535.504	535.583
Offset		-0.491	1.652

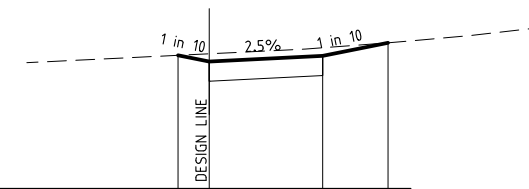
CH 430



Datum 534

Design Level		535.403	535.486
Existing Surface		535.423	535.486
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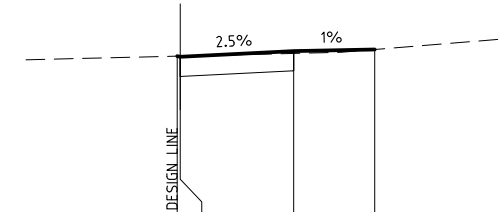
CH 450



Datum 534

Design Level		534.881	534.877	534.964
Existing Surface		534.891	534.931	534.964
Offset		-0.413	1.5	2.365

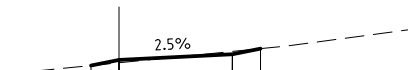
CH 480



Datum 534

Design Level		535.064	535.097	535.108
Existing Surface		535.064	535.082	535.108
Offset		-0.041	1.5	2.572

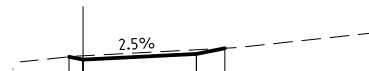
CH 470



Datum 534

Design Level		535.513	535.587
Existing Surface		535.531	535.625
Offset		-0.371	1.872

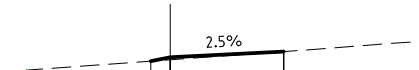
CH 420



Datum 534

Design Level		535.505	535.524
Existing Surface		535.511	535.561
Offset		-0.186	1.876

CH 440



Datum 534

Design Level		535.244	535.308
Existing Surface		535.253	535.307
Offset		-0.258	1.5

CH 460

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Ver	Revision Description	Date		

Notes/Legend	
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East Bendigo, Vic 3550  
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Web: www.terraco.com.au

Scale (m)

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V 1:50 0 0.5 1

All lengths are in metres  
and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg  
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Council Ref: ----  
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Our Ref: 20131  
Version: 1  
Sheet: 31 of 39

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Cross Sections 6



Datum 533

Design Level			
Existing Surface		534.068 534.07	534.067 534.079
Offset		-0.074 0	1.5 1.621

CH 520

Datum 533

Design Level			
Existing Surface		534.297	534.335 534.374
Offset		0	1.5 1.89

CH 510

Datum 533

Design Level				
Existing Surface	534.191	534.396	534.452	534.786
Offset	-4.605	0	1.5	11.258

CH 500

Datum 532

Design Level			
Existing Surface		533.275 533.282	533.337 533.326
Offset		-0.248 0	1.5 1.61

CH 550

Datum 532

Design Level			
Existing Surface		533.512	533.563 533.643
Offset		0	1.5 1.979

CH 540

Datum 533

Design Level			
Existing Surface		533.813 533.817	533.844 533.853
Offset		-0.074 0	1.5 1.554

CH 530

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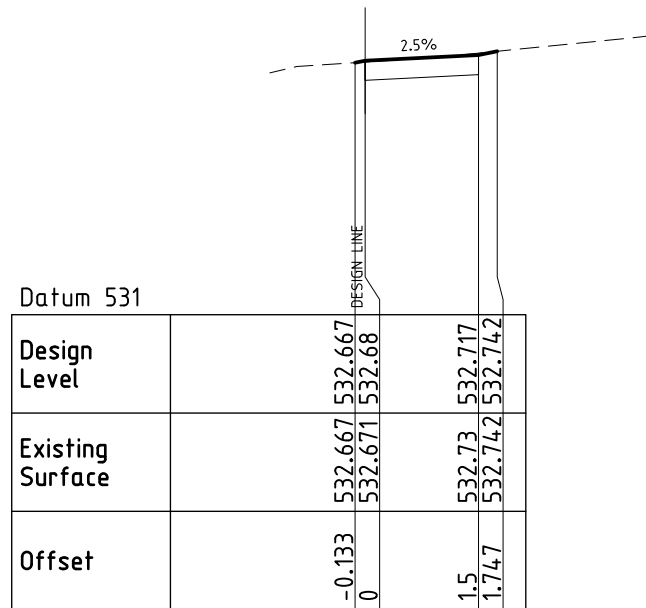
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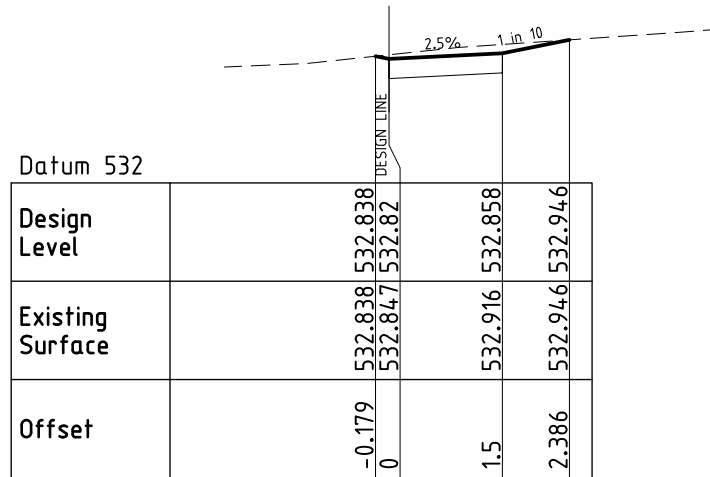
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Murrindindi Shire Council - Kinglake  
Murrindindi Shire Council  
Watsons Road Footpath  
Path Cross Sections 7

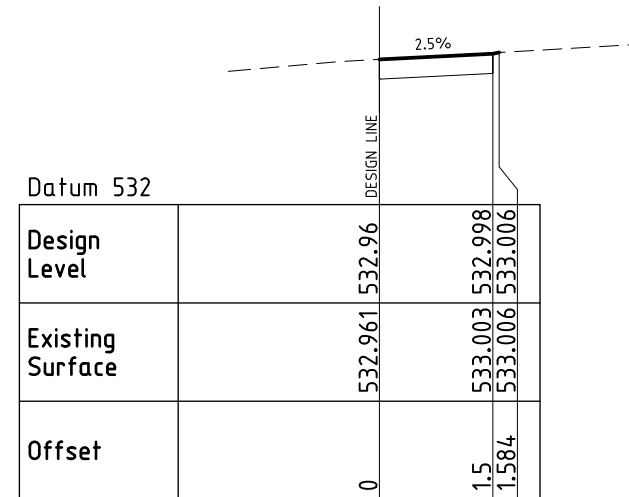
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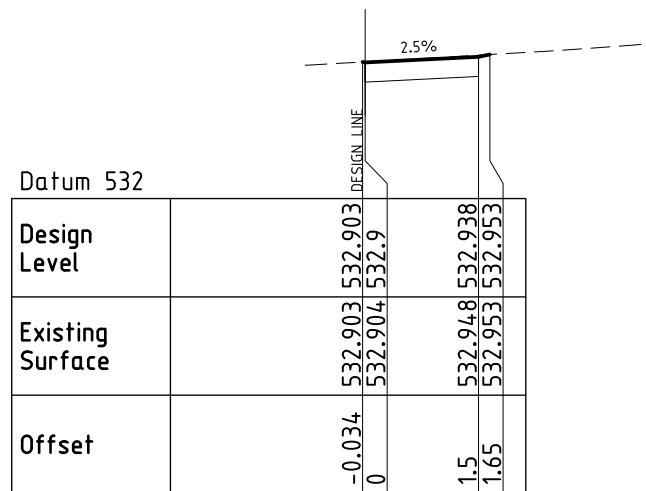
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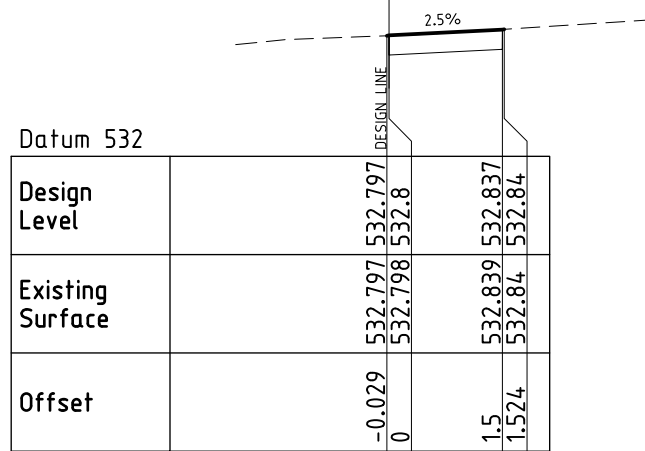
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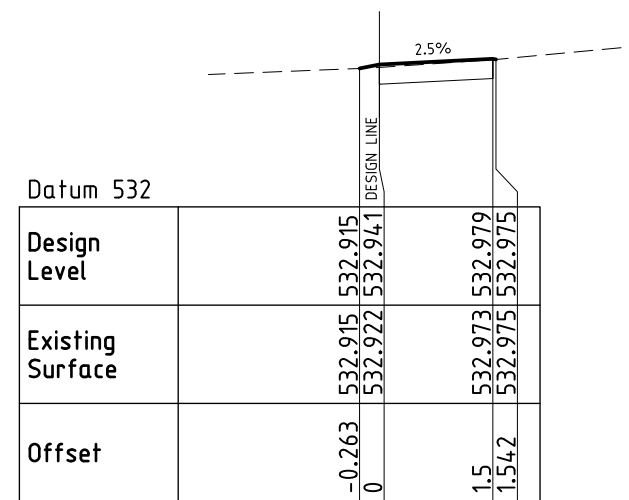
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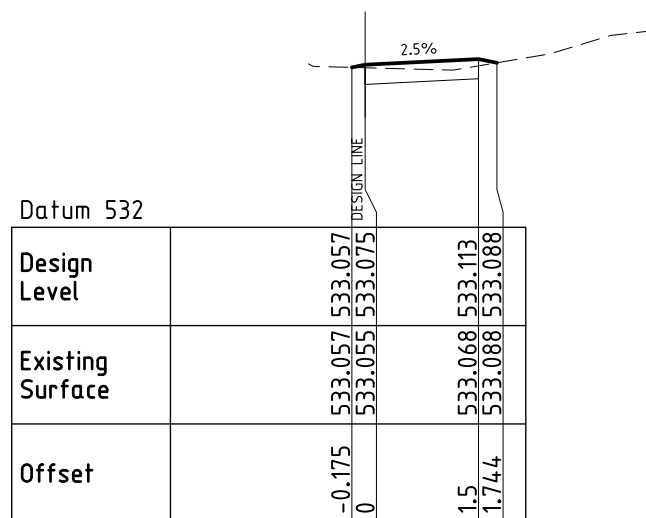
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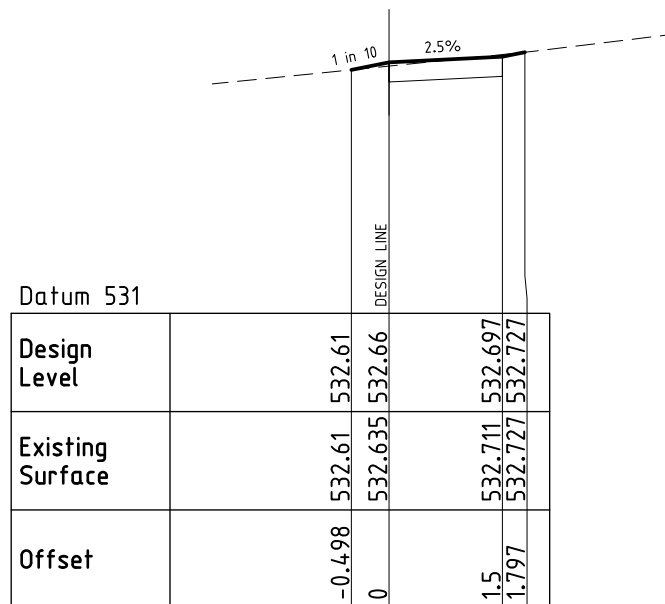
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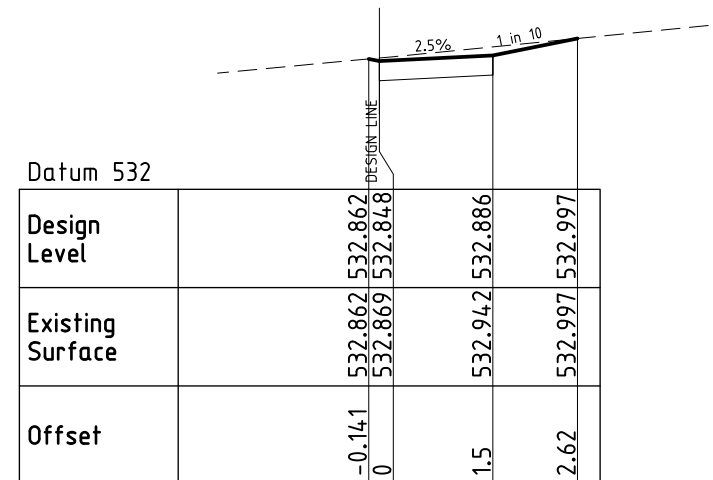
CH 630



CH 560



CH 590



CH 620

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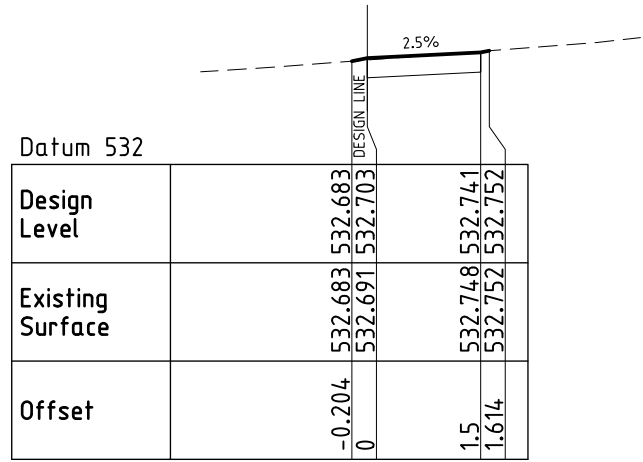
**Terraco P/L**  
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9 Jewell Court  
East Bendigo, Vic 3550  
Ph: 03 5442 5799  
Fax: 03 5441 5506  
E: info@terraco.com.au  
Web: www.terraco.com.au

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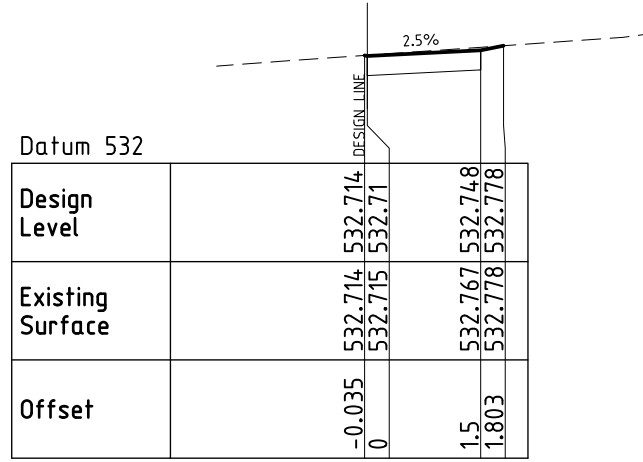
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Sheet: 33 of 39

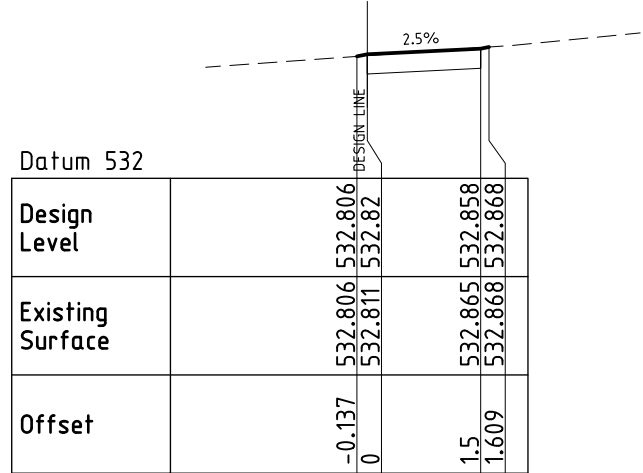
Murrindindi Shire Council - Kinglake  
Murrindindi Shire Council  
Watsons Road Footpath  
Path Cross Sections 8



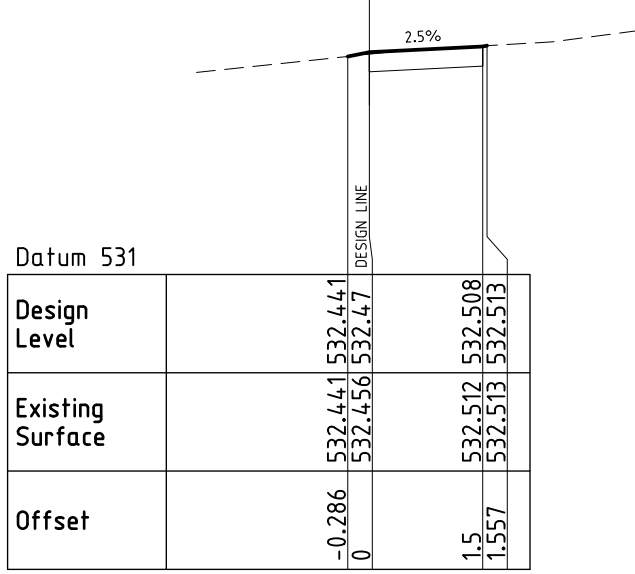
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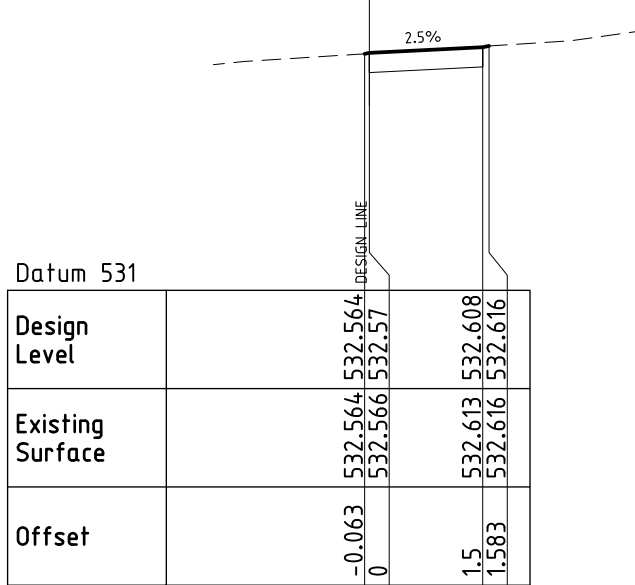
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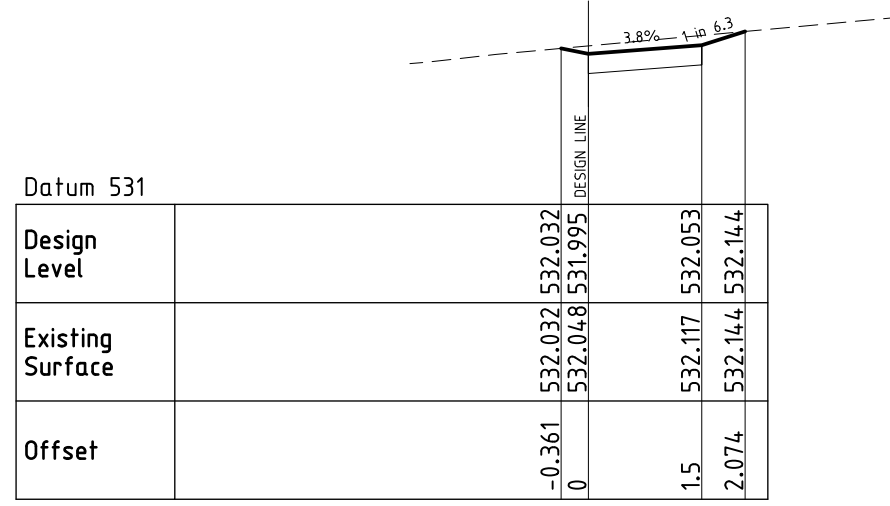
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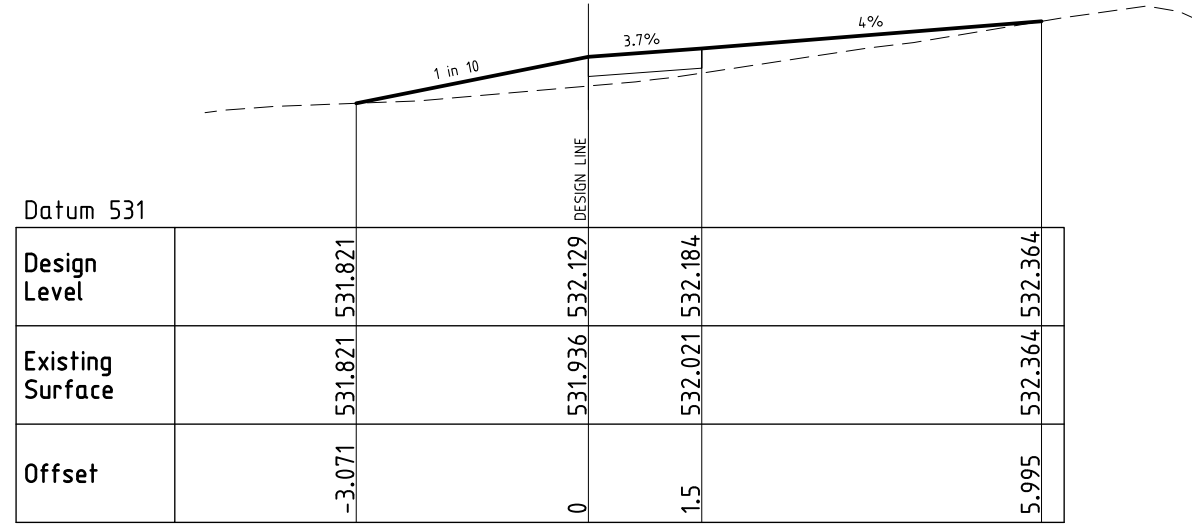
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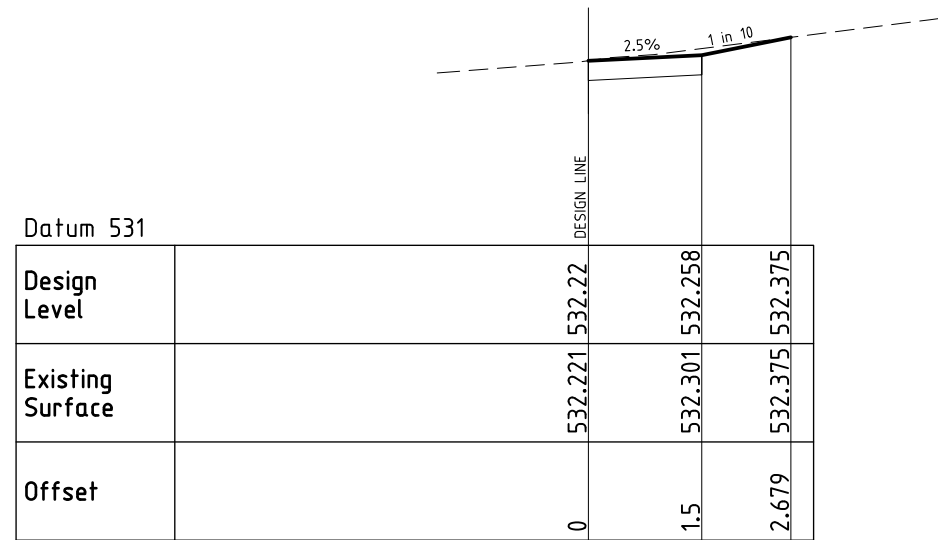
CH 680



CH 720



CH 710



CH 700

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Web: www.terraco.com.au

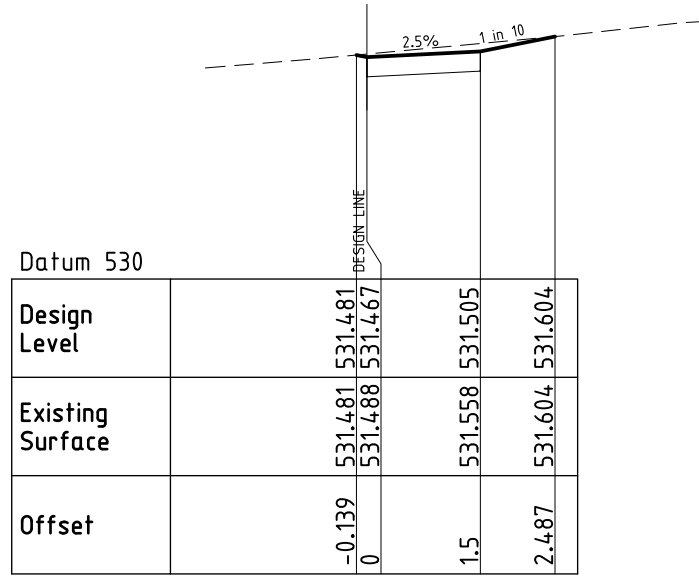
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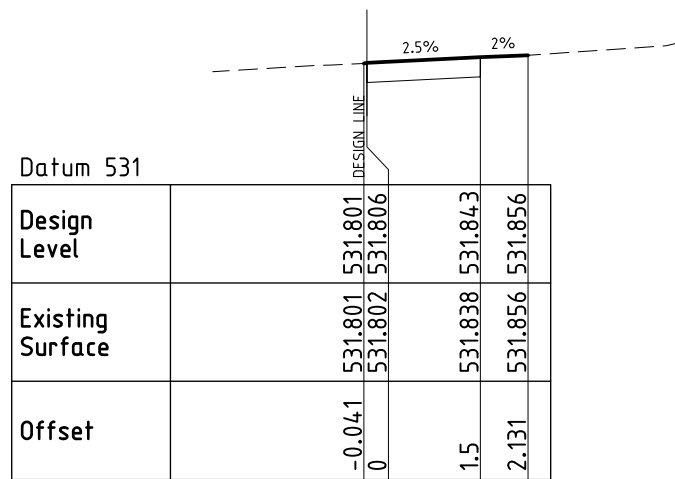
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Murrindindi Shire Council - Kinglake  
Murrindindi Shire Council  
Watsons Road Footpath  
Path Cross Sections 9

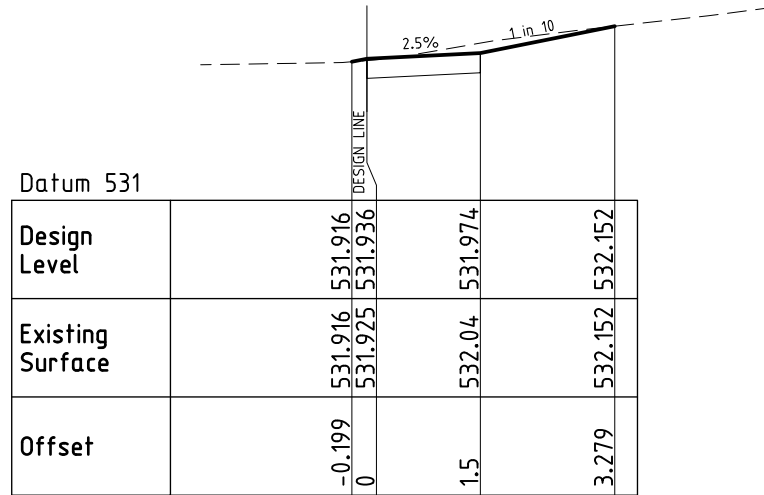
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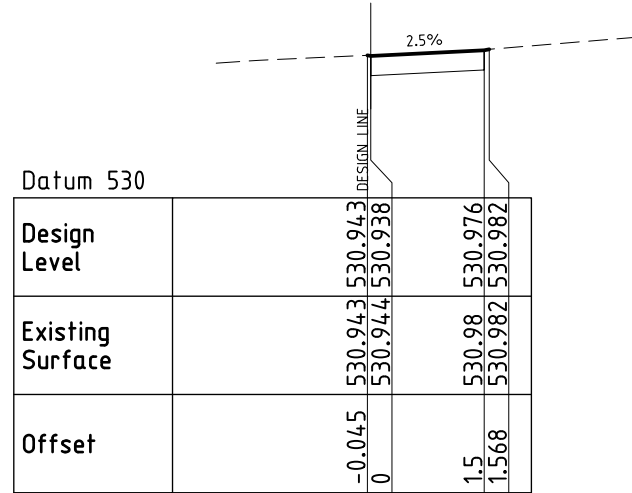
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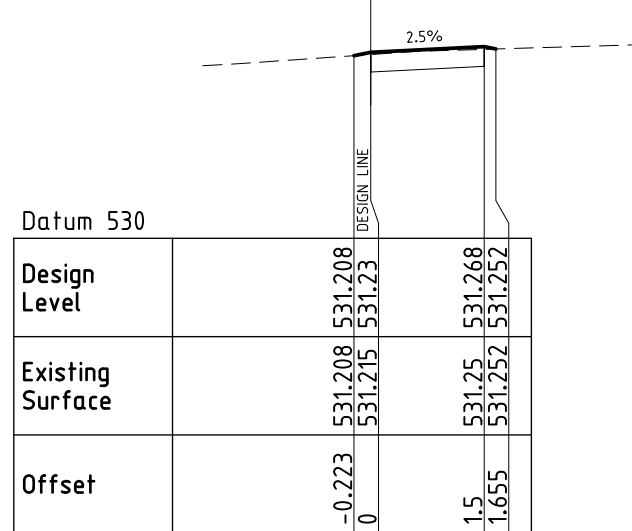
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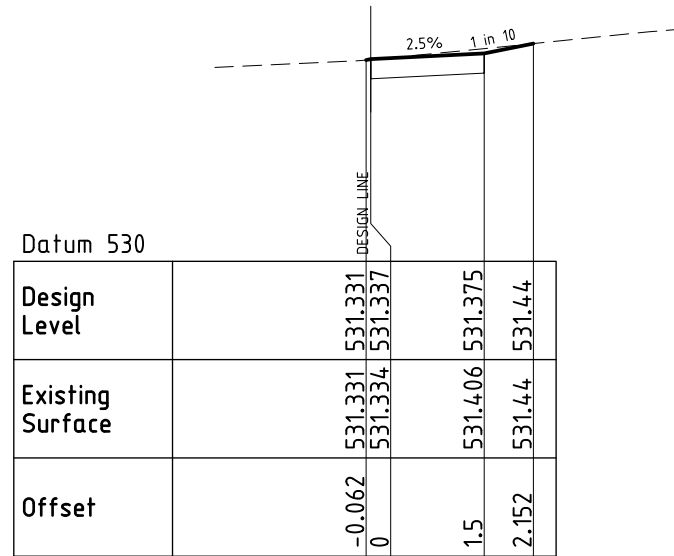
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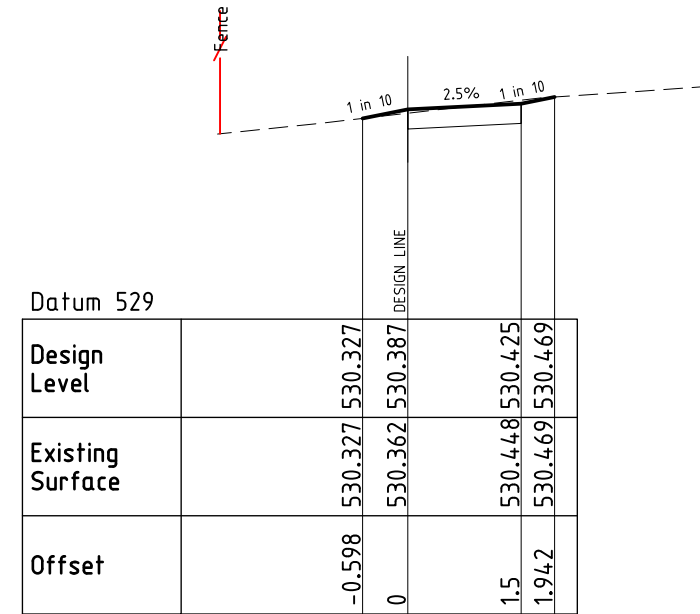
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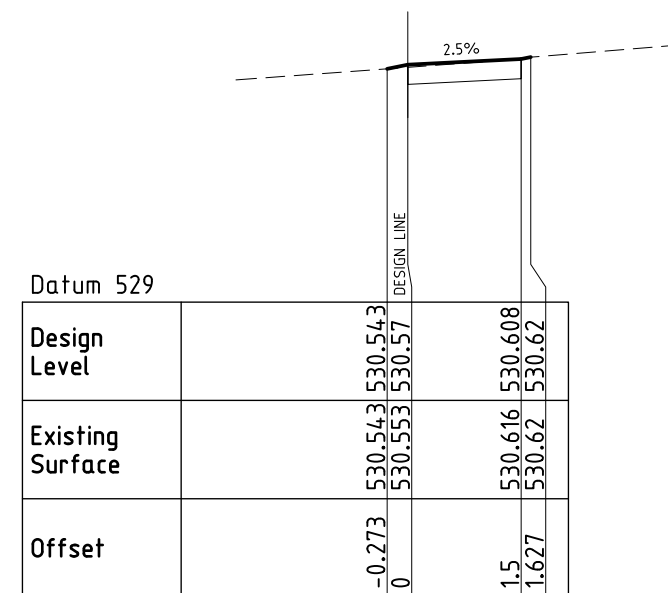
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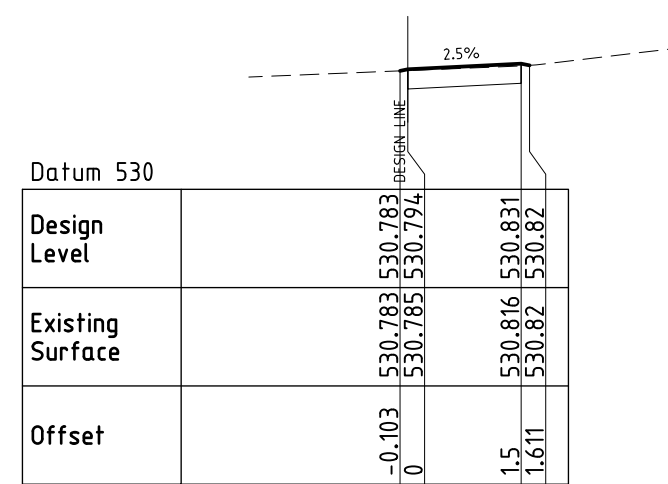
CH 760



CH 810



CH 800



CH 790

Ver	Revision Description	Date	Designed	Checked
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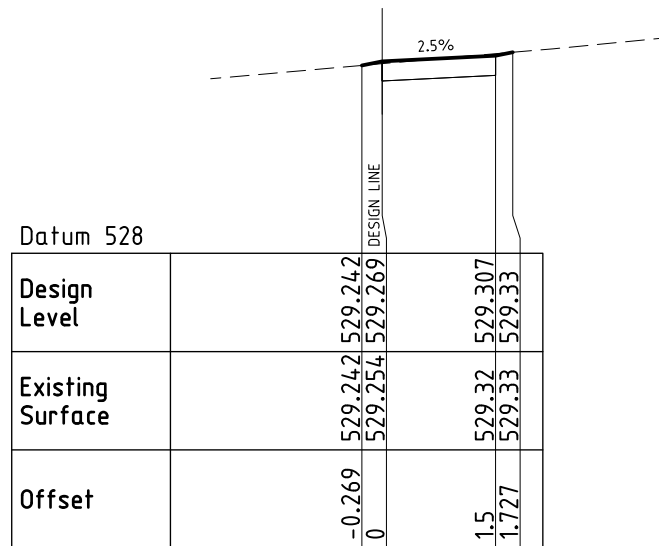
Terraco P/L  
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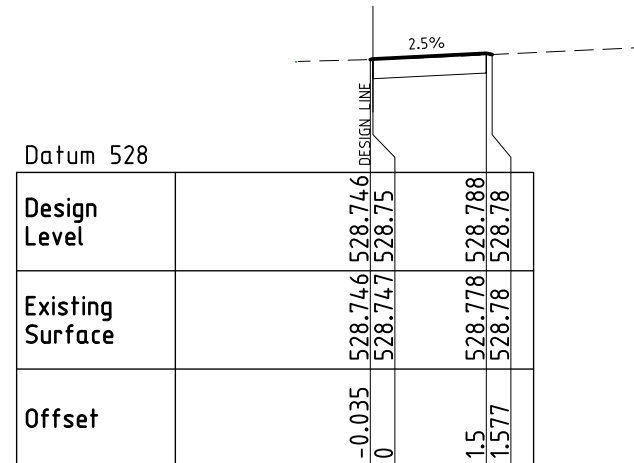
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Our Ref: 20131  
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Sheet: 35 of 39

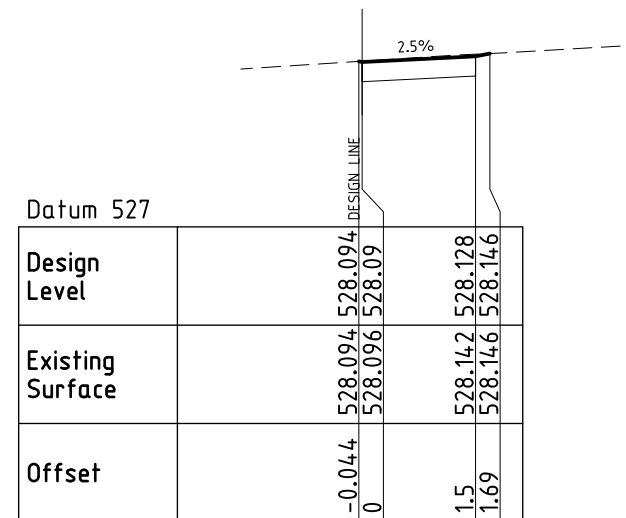
Murrindindi Shire Council - Kinglake  
Murrindindi Shire Council  
Watsons Road Footpath  
Path Cross Sections 10



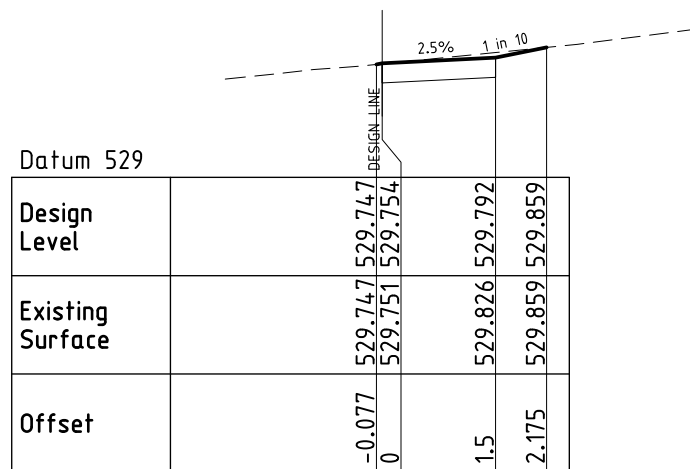
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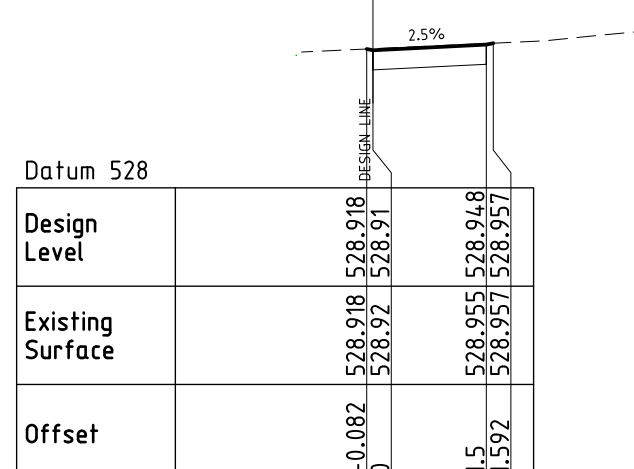
CH 880



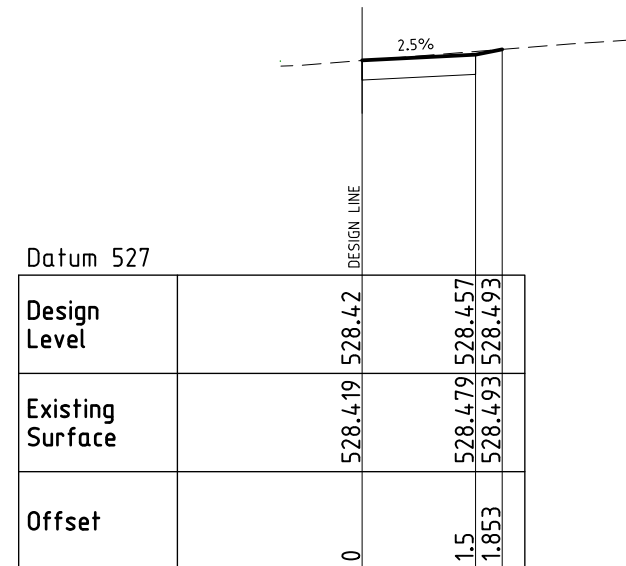
CH 910



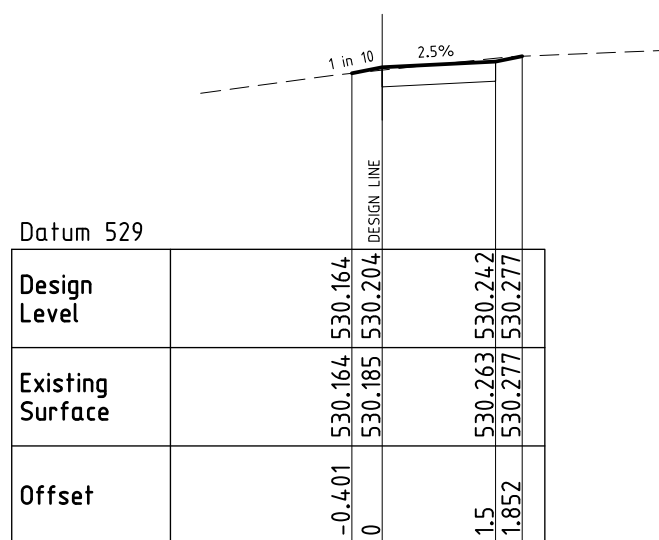
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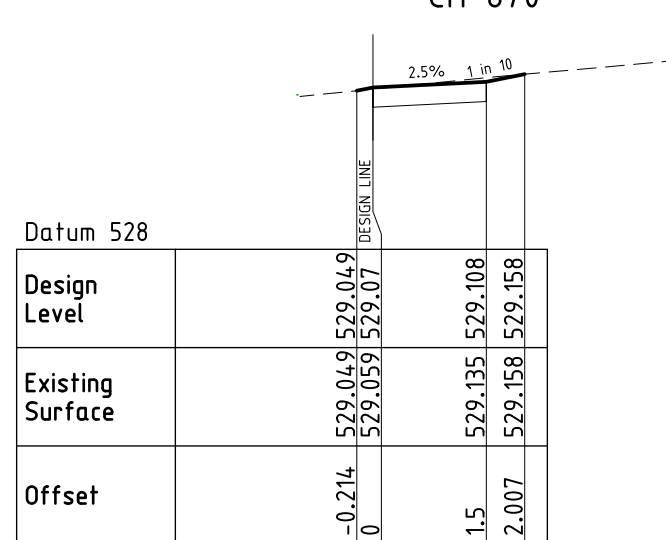
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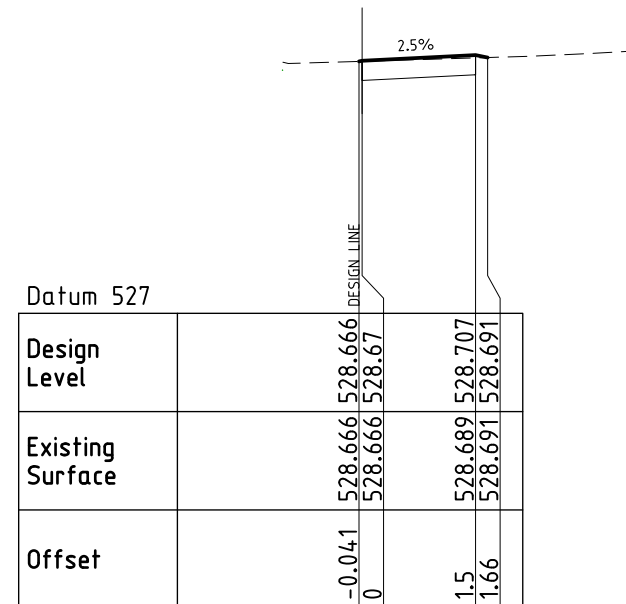
CH 900



CH 820



CH 860



CH 890

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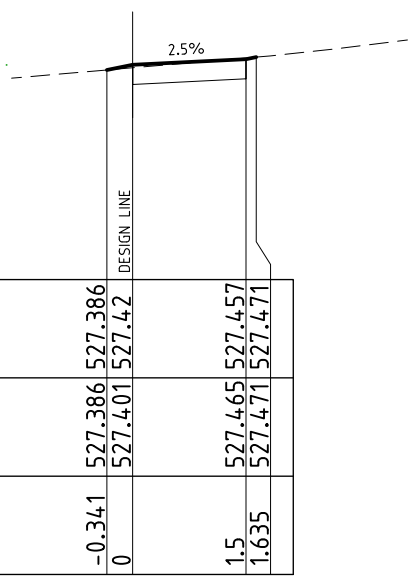
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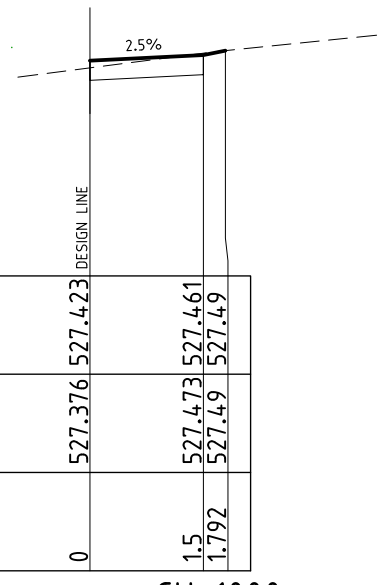
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Murrindindi Shire Council - Kinglake  
Murrindindi Shire Council  
Watsons Road Footpath  
Path Cross Sections 11

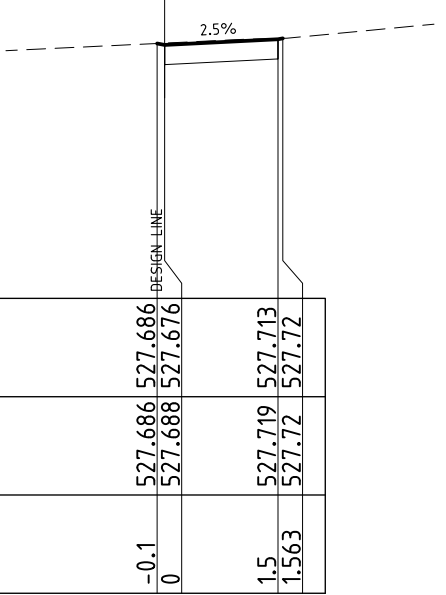
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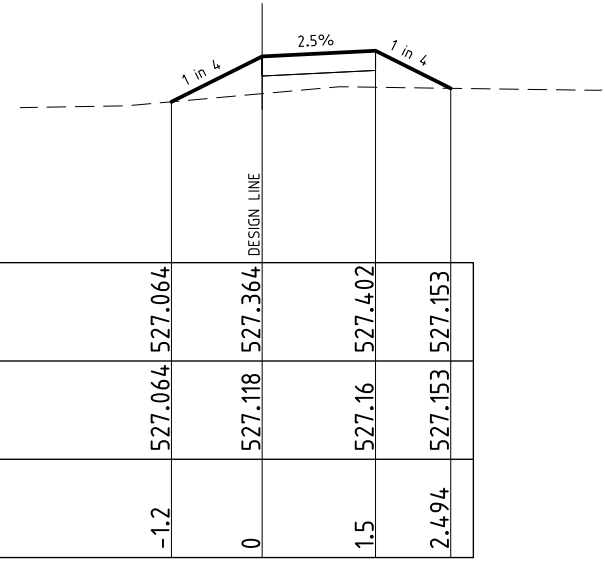
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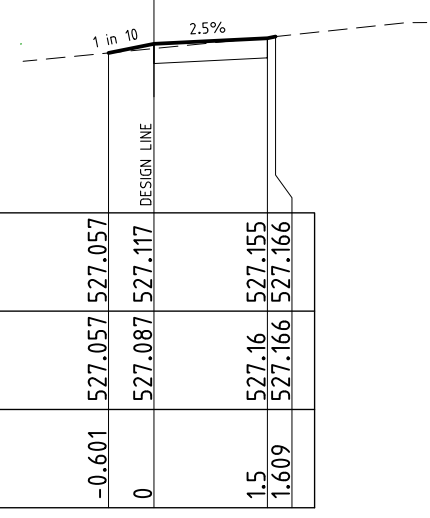
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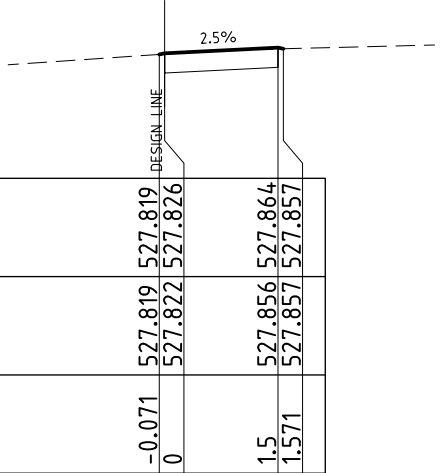
CH 930



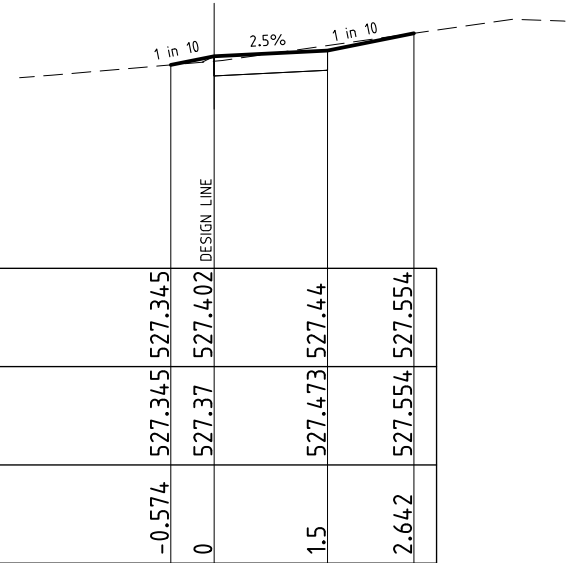
CH 970



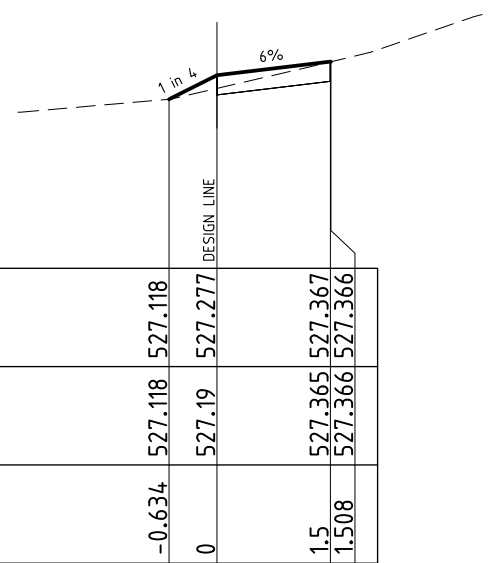
CH 990



CH 920



CH 960



CH 980

6		Designed	Checked
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1	Original Issue	1/12/20	
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Ver	Revision Description	Date	

Notes/Legend	
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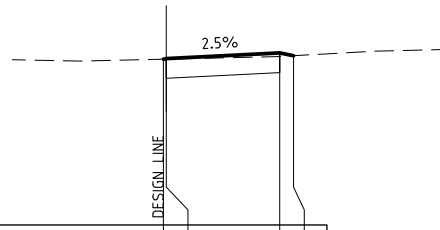
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and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

Drawing file: 20131 5 Road.dwg  
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Council Ref: ---  
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Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Cross Sections 12

Council Ref: ---  
Water Auth. Ref: ---  
Our Ref: 20131  
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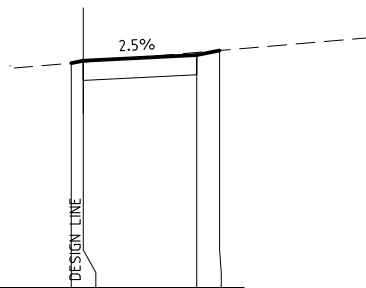
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Datum 528

Design Level		529.096	529.096	529.138
Existing Surface		529.097	529.119	529.119
Offset		-0.039	1.5	1.683

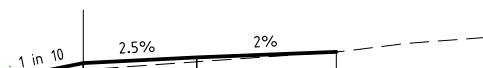
CH 1030



Datum 527

Design Level		528.485	528.538
Existing Surface		528.492	528.569
Offset		-0.16	1.803

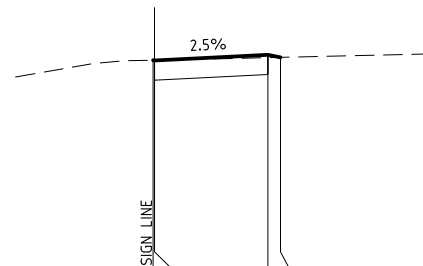
CH 1020



Datum 527

Design Level		527.851	527.958	527.995
Existing Surface		527.876	527.929	527.995
Offset		-0.693	1.5	3.347

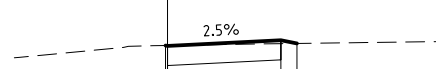
CH 1010



Datum 529

Design Level		530.517	530.552
Existing Surface		530.517	530.536
Offset		-0.019	1.667

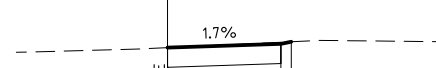
CH 1060



Datum 529

Design Level		530.133	530.168
Existing Surface		530.133	530.146
Offset		-0.027	1.712

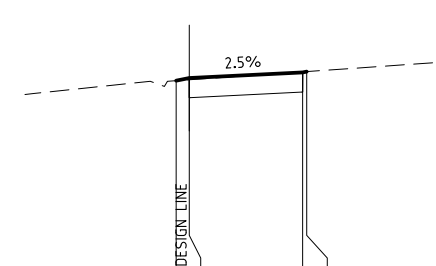
CH 1050



Datum 529

Design Level		529.699	529.724
Existing Surface		529.734	529.738
Offset		0	1.638

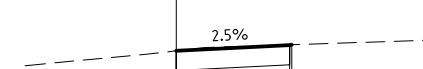
CH 1040



Datum 530

Design Level		531.273	531.327
Existing Surface		531.279	531.333
Offset		-0.174	1.553

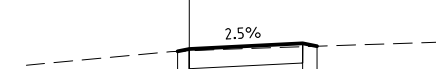
CH 1090



Datum 530

Design Level		531.07	531.108
Existing Surface		531.07	531.11
Offset		0	1.528

CH 1080



Datum 530

Design Level		530.813	530.866
Existing Surface		530.817	530.847
Offset		-0.155	1.69

CH 1070

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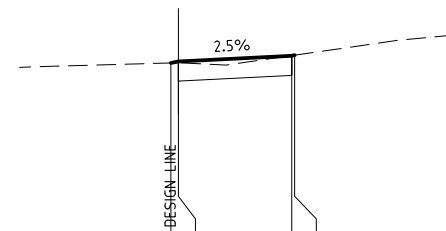
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All lengths are in metres  
and all levels are to Australian Height Datum  
(Original Sheet Size is A3)

Drawing file:	LTO Ref:	Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet
20131 5 Road.dwg	----	----	----	20131	1	38 of 39

Murrindindi Shire Council - Kinglake  
**Murrindindi Shire Council**  
Watsons Road Footpath  
Path Cross Sections 13

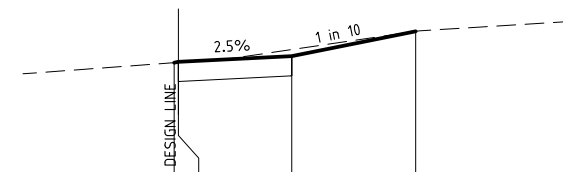
Council Ref:	Water Auth. Ref:	Our Ref:	Version	Sheet
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Datum 531

Design Level		532.131	532.131	532.179
Existing Surface		532.133	532.141	532.183
Offset		-0.099	0	1.5
				1.538

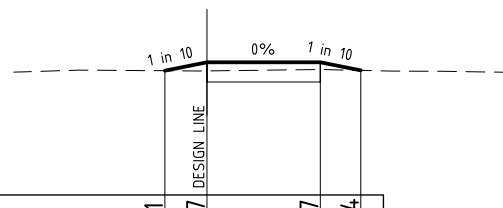
CH 1120



Datum 531

Design Level		531.731	531.731	531.774	531.938
Existing Surface		531.733	531.737	531.818	531.938
Offset		-0.056	0	1.5	3.14

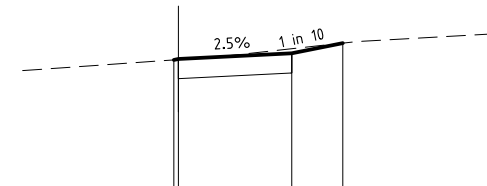
CH 1110



Datum 532

Design Level		532.821	532.821	532.877	532.824
Existing Surface		532.821	532.82	532.83	532.824
Offset		-0.556	0	1.5	2.035

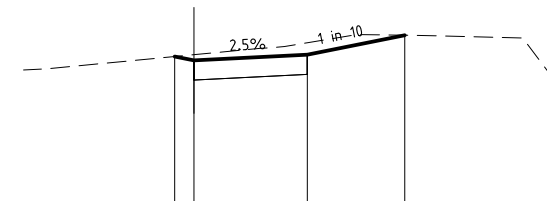
CH 1135.493



Datum 530

Design Level		531.484	531.484	531.528	531.595
Existing Surface		531.486	531.49	531.558	531.595
Offset		-0.06	0	1.5	2.176

CH 1100



Datum 531

Design Level		532.605	532.605	532.618	532.746
Existing Surface		532.618	532.58	532.697	532.746
Offset		-0.254	0	1.5	2.789

CH 1130

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V 1:50 0 0.5 1

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Murrindindi Shire Council - Kinglake					
<b>Murrindindi Shire Council</b>					
<b>Watsons Road Footpath</b>					
<b>Path Cross Sections 14</b>					
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