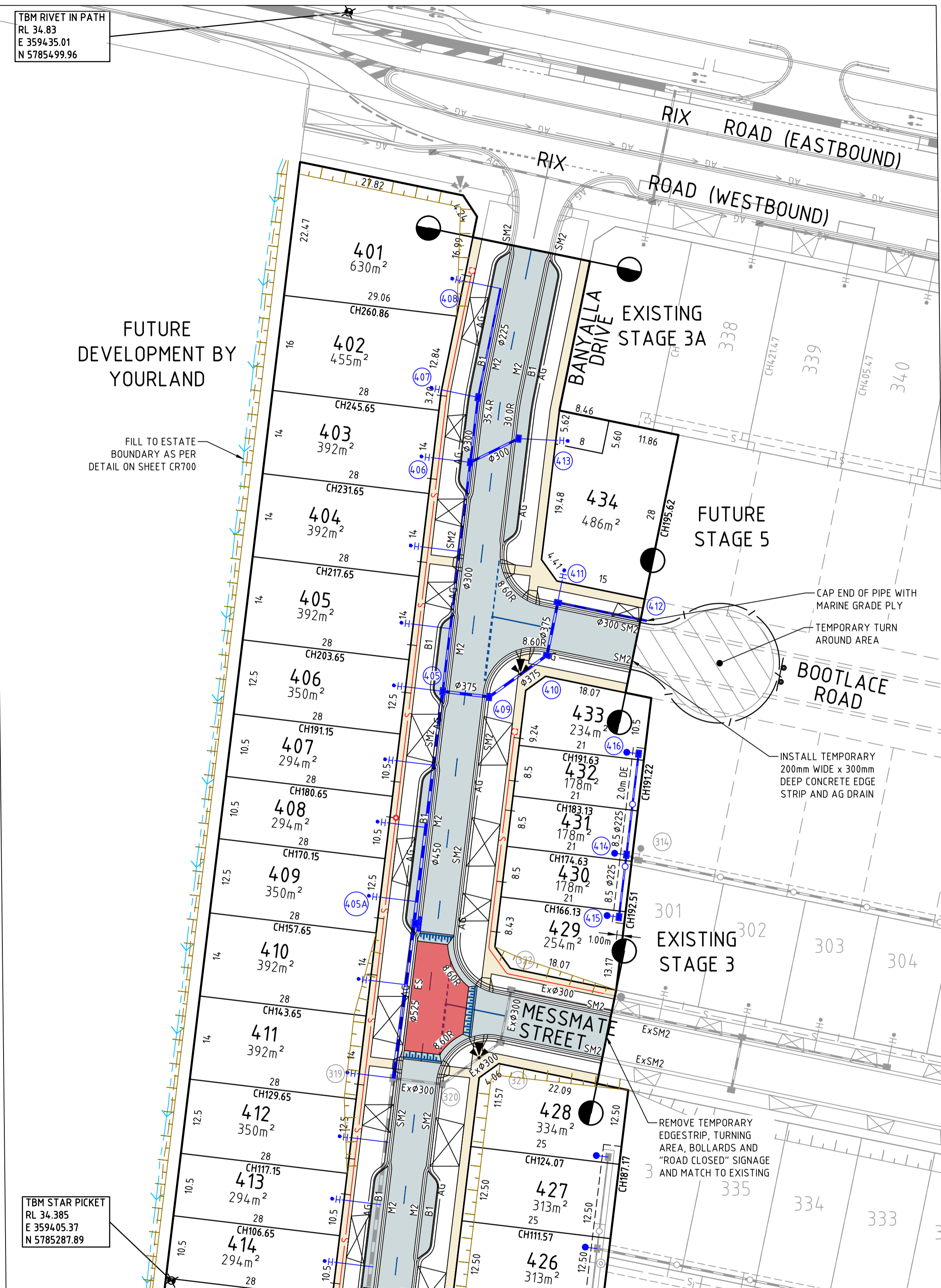
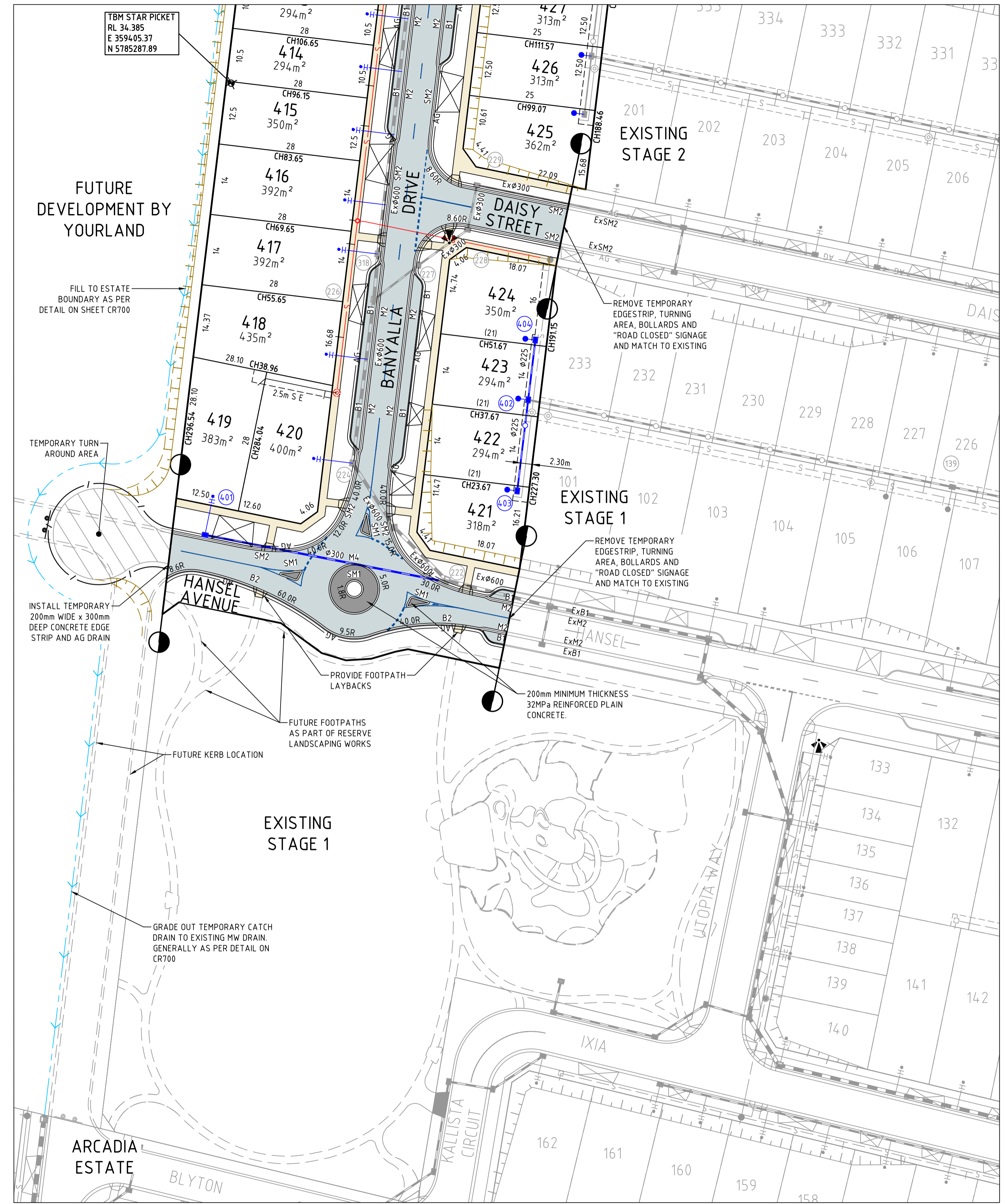




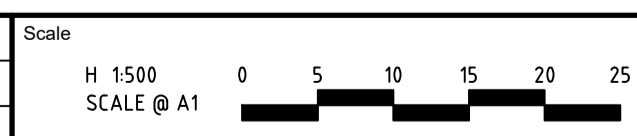


FOR CONTINUATION REFER LEFT



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**WARNING**  
BEWARE OF UNDERGROUND/OVERHEAD SERVICES  
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16 BRIDGE STREET BENDIGO  
VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
spiire.com.au ABN 55 050 029 635



Designed  
**M. WRIGHT**  
Authorised  
**B. WAREHAM**  
Checked  
**B. IBBS**  
Date  
**29/09/2022**

**OFFICER CENTRAL  
STAGE 4  
ROAD AND DRAINAGE  
ROAD LAYOUT PLANS - FACE PLAN**  
CARDINIA SHIRE  
YOURLAND PTY LTD

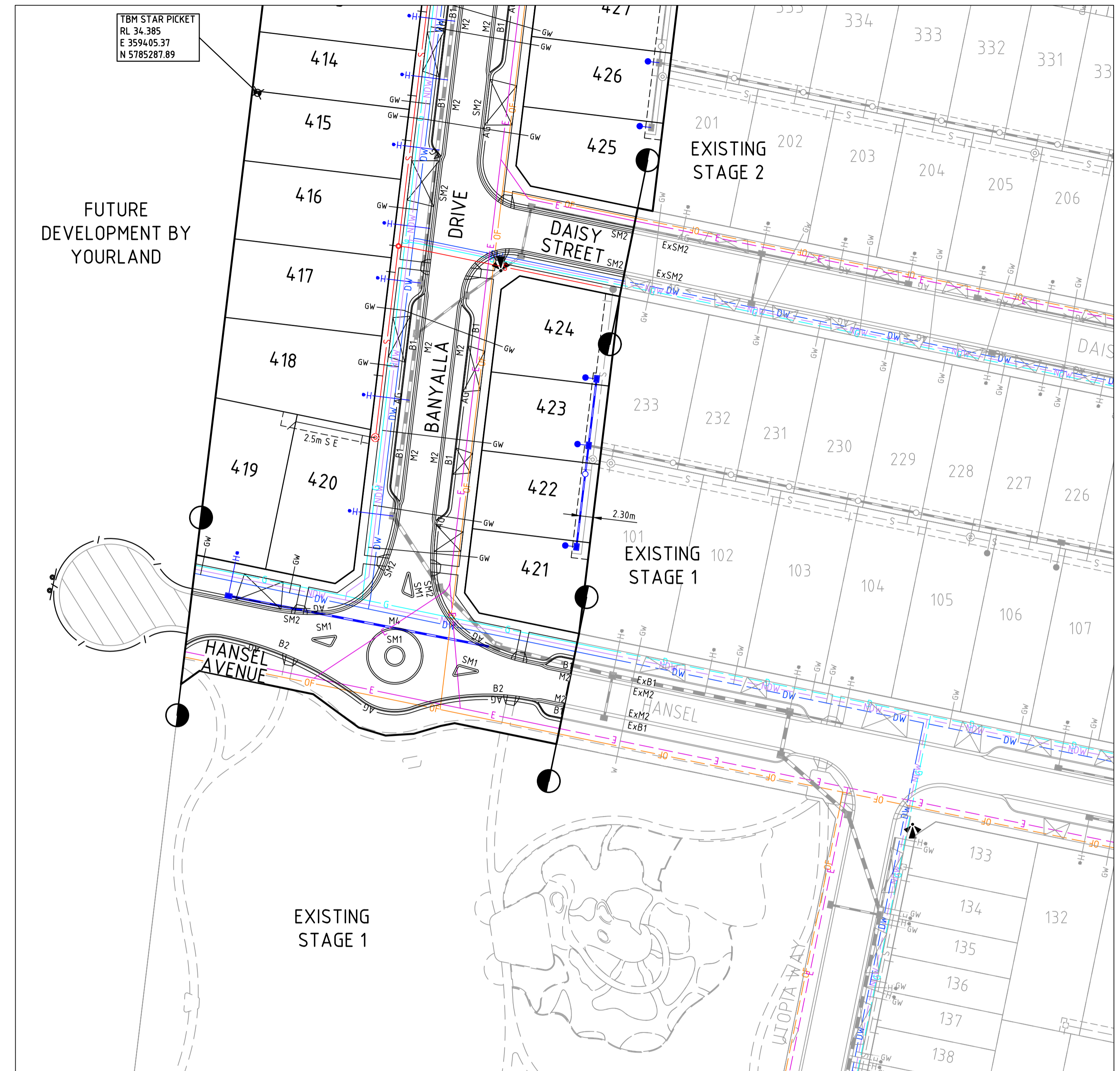
**CONSTRUCTION** Drg No **309132CR200** Rev **0**

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Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
C	ADDED PARKING BAYS, AMENDED WEST LEG SPLITTER ISLAND	B.W	25/07/22
B	AMENDED ROUNDABOUT AND PIT 405A	B.W	01/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22



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EXISTING STAGE 1

EXISTING STAGE 2

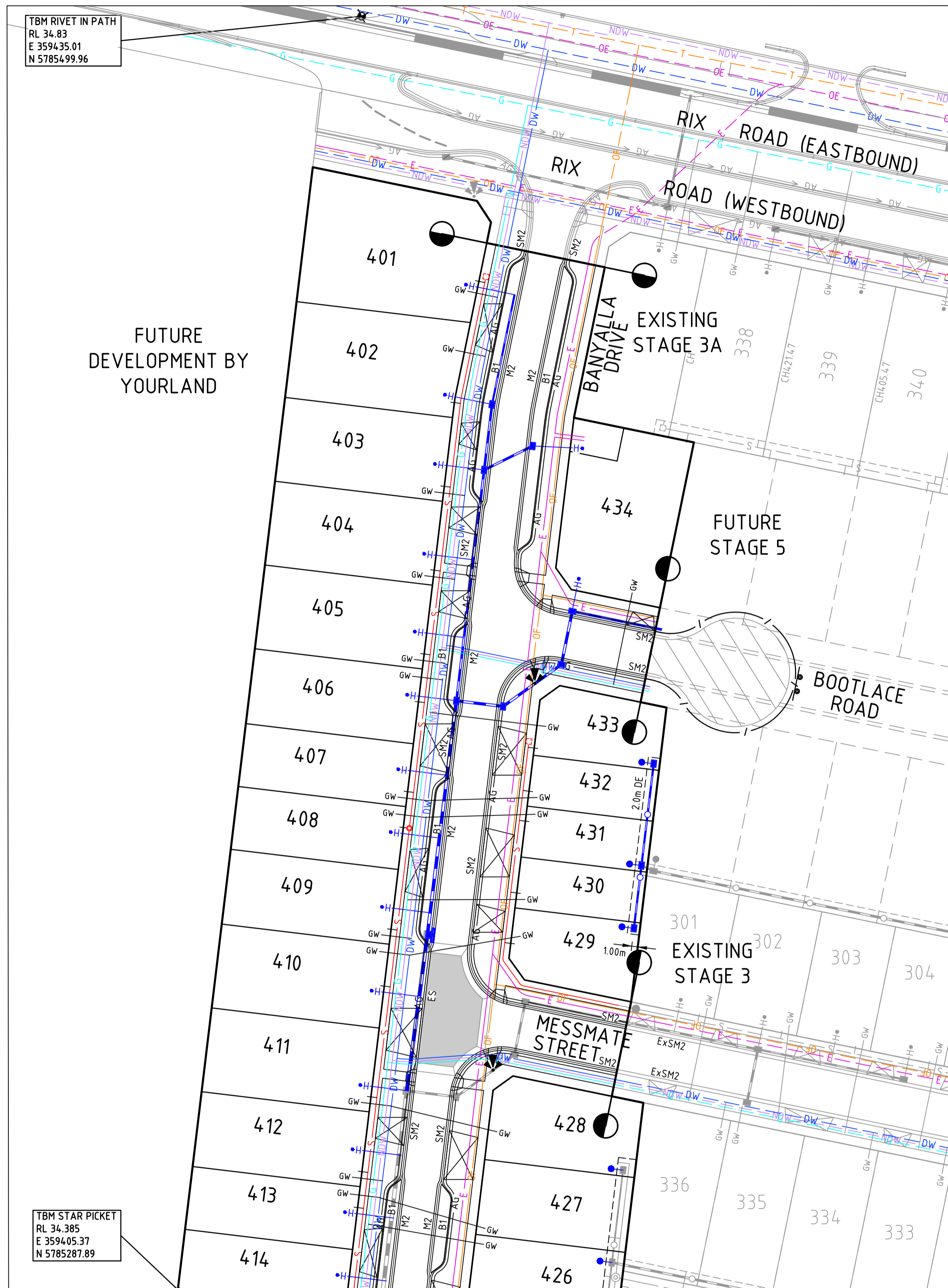
FUTURE DEVELOPMENT BY YOURLAND

SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		ELECTRICITY				NBN (TELECOM)	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE		SIDE	OFFSET
							W	E	S	N		
BANYALLA DRIVE	W	3.55	W	2.80	W	2.10	E	0.9x	E	2.80	E	1.85
BOOTLACE ROAD	S	2.837	S	2.412	S	2.017	N	0.9x	N	2.40	N	1.85
MESSMATE STREET	S	2.837	S	2.412	S	2.017	N	0.9x	N	2.30	N	1.70
DAISY STREET	S	2.837	S	2.412	S	2.017	N	0.9x	N	2.30	N	1.85
HANSEL AVENUE	N	3.25	N	2.50	N	1.80	N & S	0.9x	S	2.60	S	1.85
RIX ROAD (LOT 401)	S	2.25	S	2.75	S	3.9x (EX)	S (EX)	3.00x	S (EX)	3.55	S (EX)	3.15

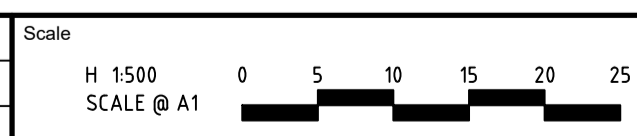
- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
- x = OFFSET FROM BACK OF KERB
- xx = OFFSET FROM BACK OF KERB OF THE SOUTHERN MEDIAN.

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FUTURE DEVELOPMENT BY YOURLAND

**WARNING**  
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16 BRIDGE STREET BENDIGO  
VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
spiire.com.au ABN 55 050 029 635



Designed  
**M. WRIGHT**  
Authorised  
**B. WAREHAM**

Checked  
**B. IBBS**  
Date  
29/09/2022

**OFFICER CENTRAL STAGE 4**  
**ROAD AND DRAINAGE ROAD LAYOUT PLANS - SERVICE PLAN**  
CARDINIA SHIRE  
YOURLAND PTY LTD

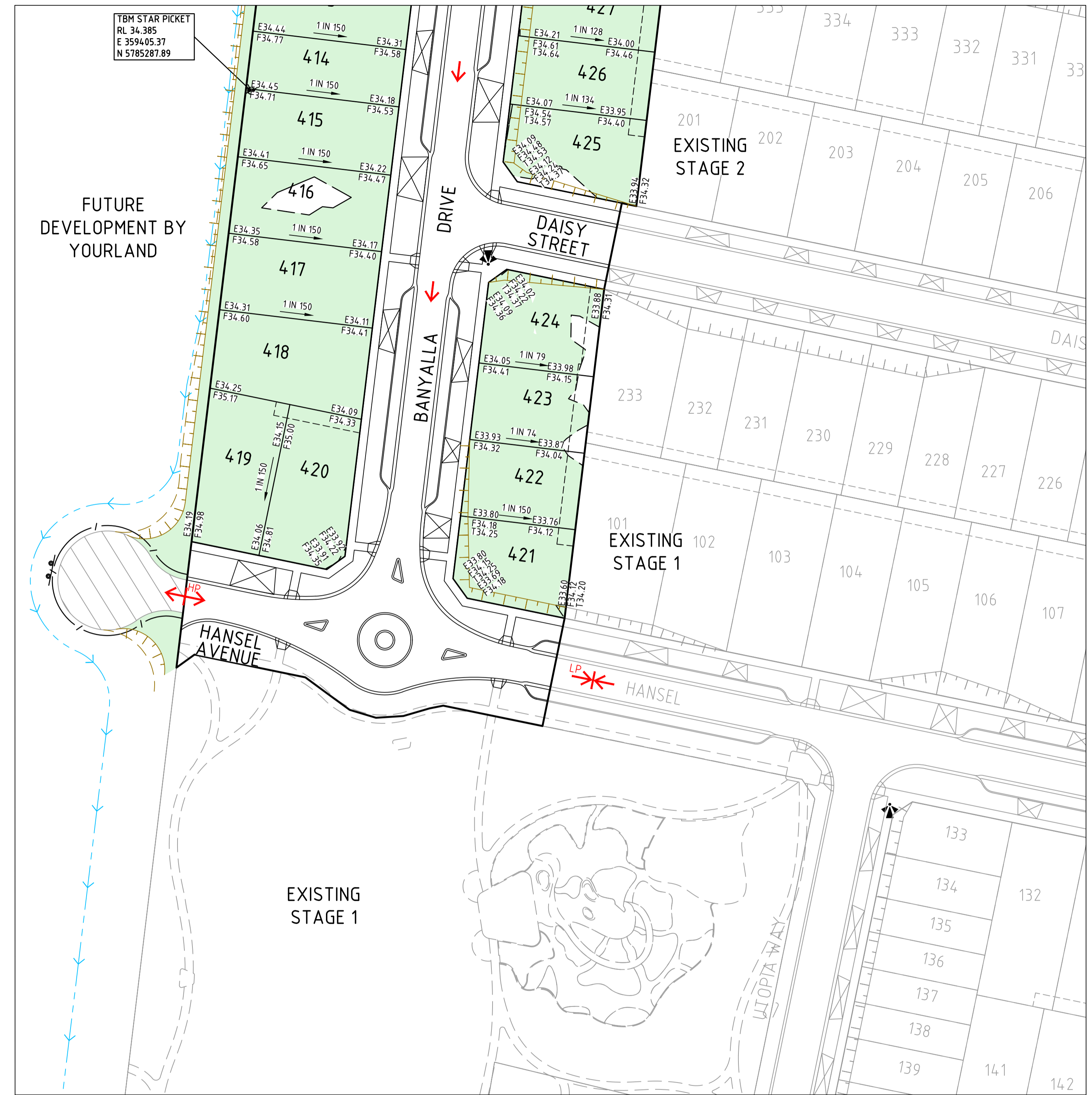
**CONSTRUCTION** Drg No **309132CR201** Rev **0**

file name: 309132CR201.dwg; User: m.wright; Date: 29/09/2022; Plot date: 29/09/2022; 850 A1 Sheet 3 of 22 Sheets

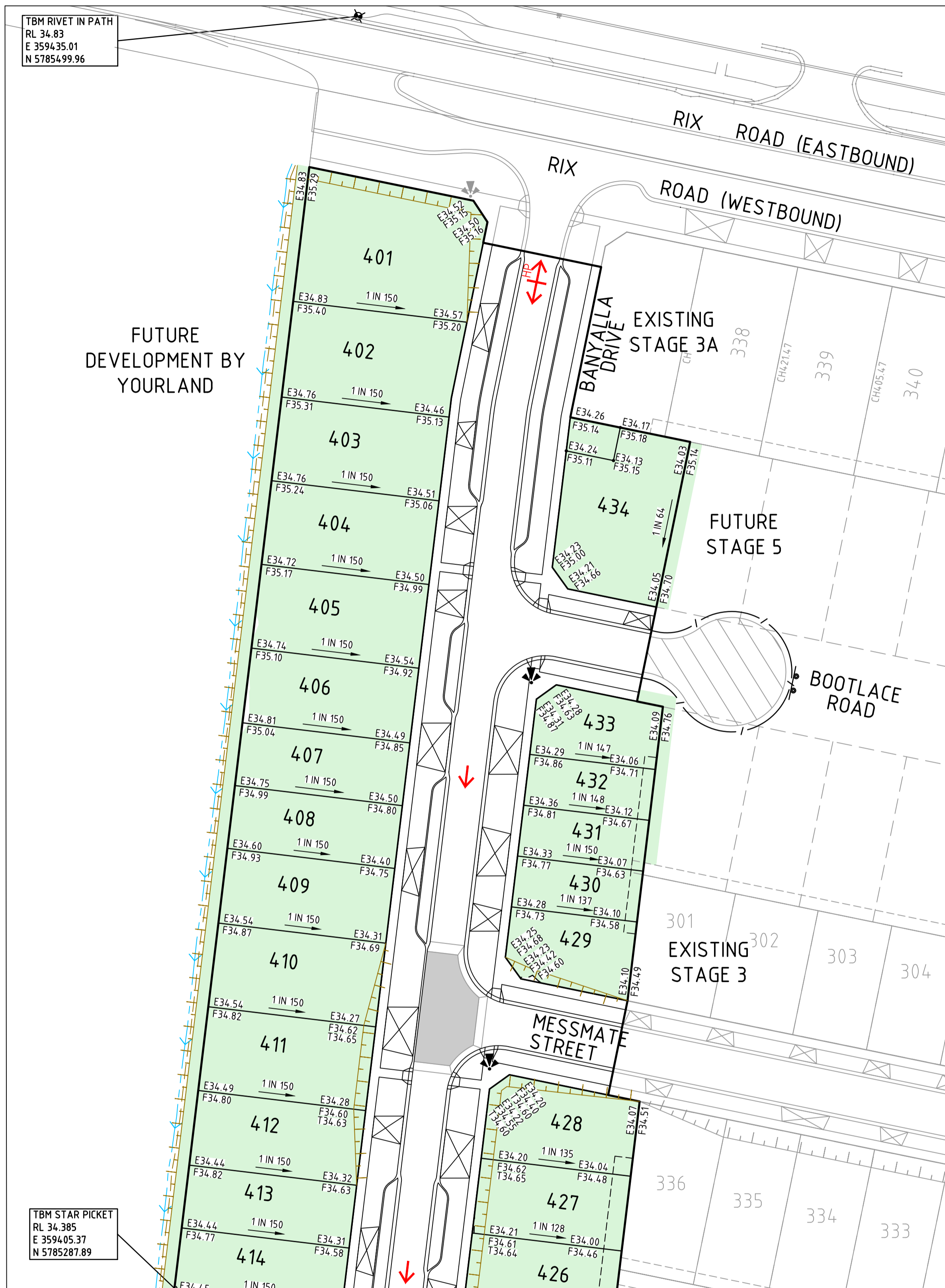
Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
C	ADDED PARKING BAYS, AMENDED WEST LEG SPLITTER ISLAND	B.W	25/07/22
B	AMENDED ROUNDABOUT AND PIT 405A	B.W	01/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22



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TBM RIVET IN PATH  
RL 34.83  
E 359435.01  
N 5785499.96

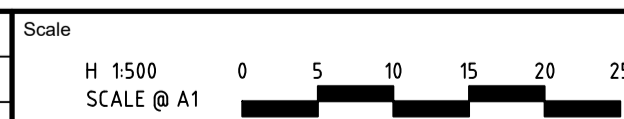


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FILL GREATER THAN 200mm  
 CUT GREATER THAN 200mm



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spiire.com.au ABN 55 050 029 635



Designed  
M. WRIGHT  
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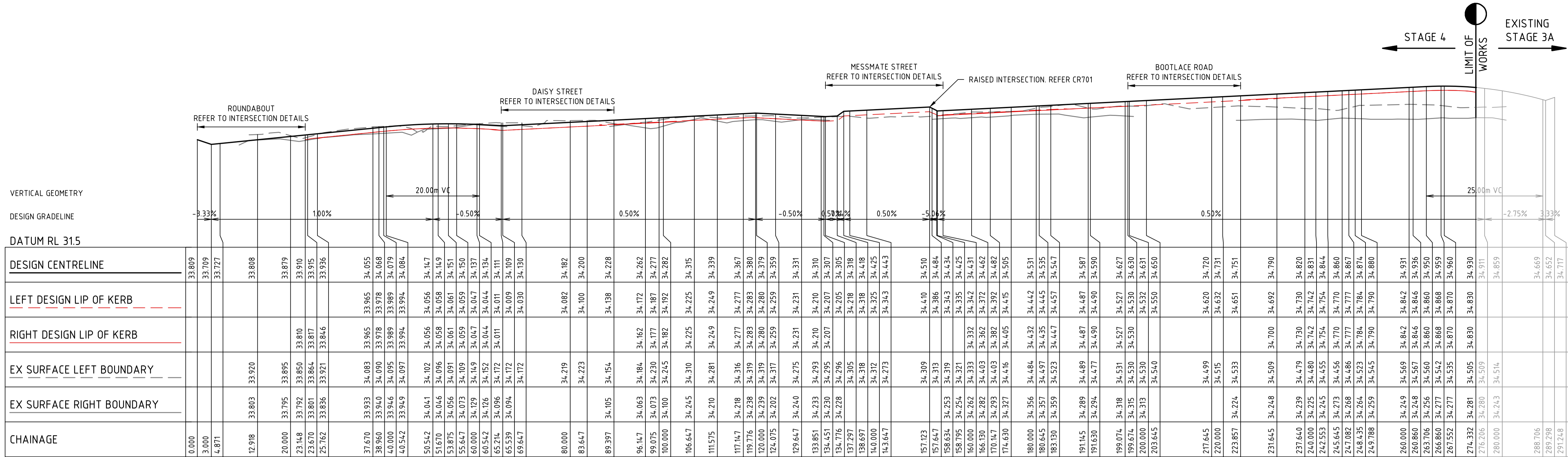
Checked  
B. IBBS  
Date  
29/09/2022

**OFFICER CENTRAL  
STAGE 4  
ROAD AND DRAINAGE  
ROAD LAYOUT PLANS - EARTHWORKS PLAN**  
CARDINIA SHIRE  
YOURLAND PTY LTD

**CONSTRUCTION** Drg No 309132CR202 Rev 0

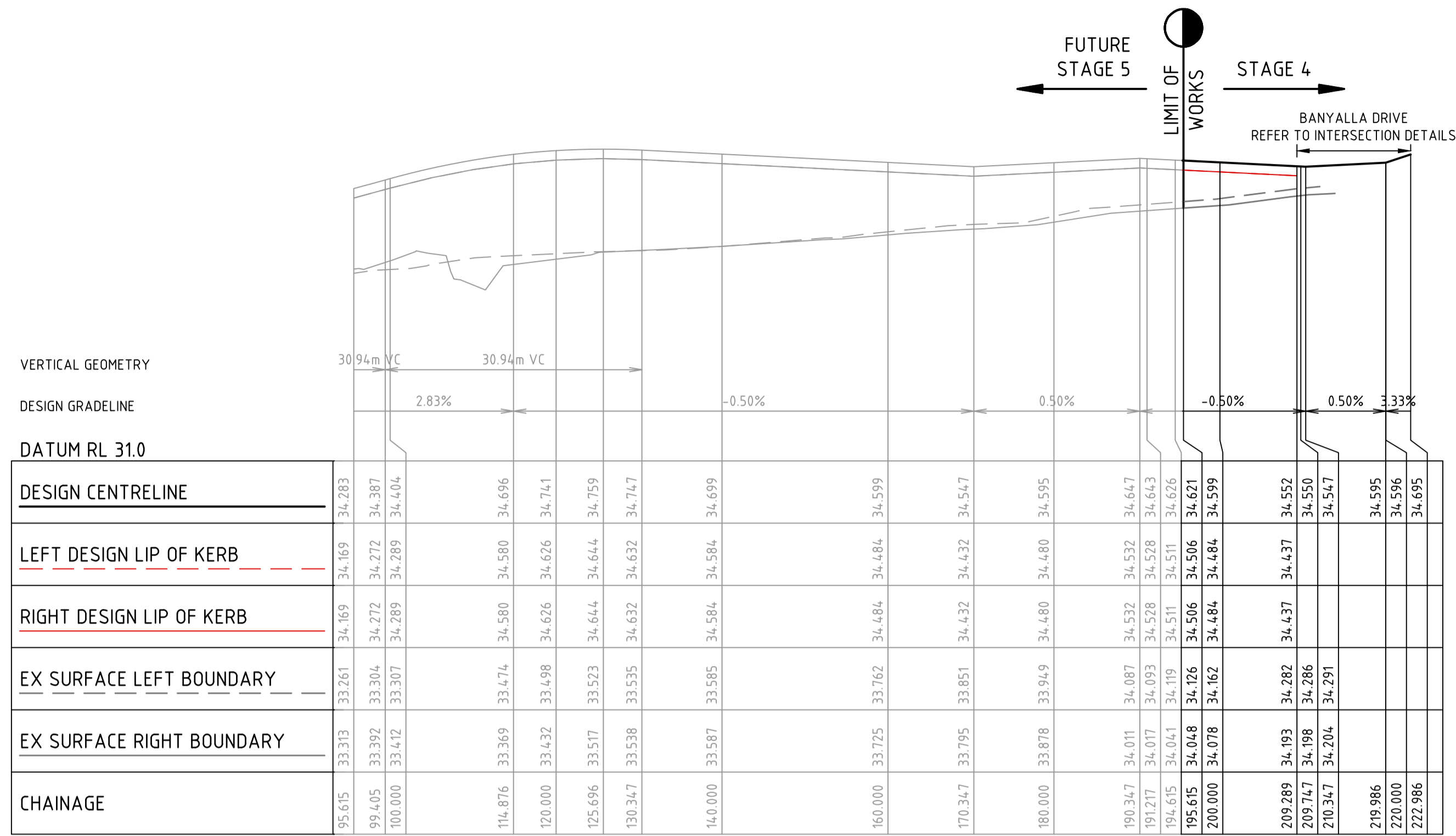
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Rev	Description	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
C	ADDED PARKING BAYS, AMENDED WEST LEG SPLITTER ISLAND	B.W	25/07/22
B	AMENDED ROUNDABOUT	B.W	01/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22
Rev	Amendments	Approved	Date

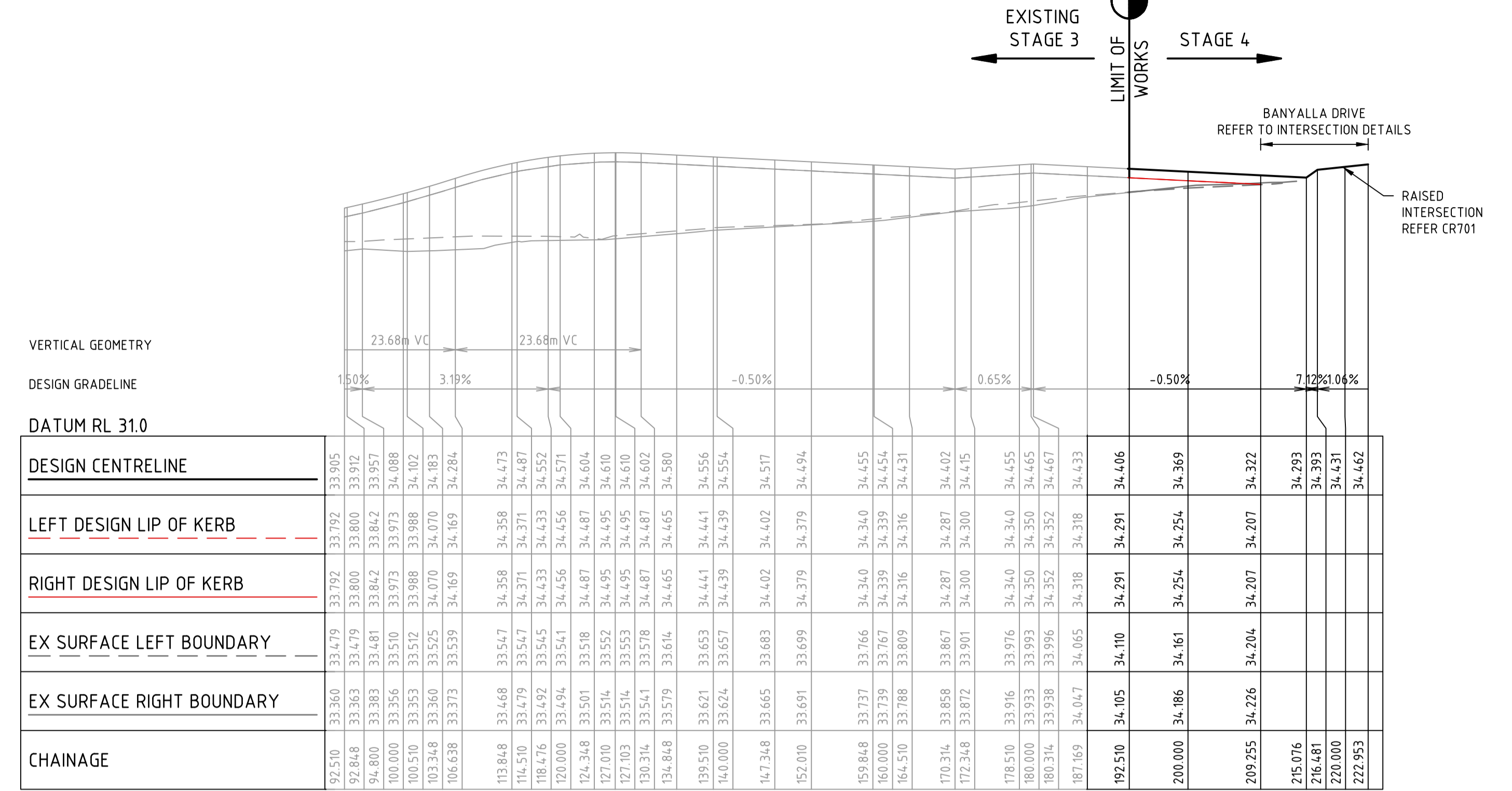


BANYALLA DRIVE

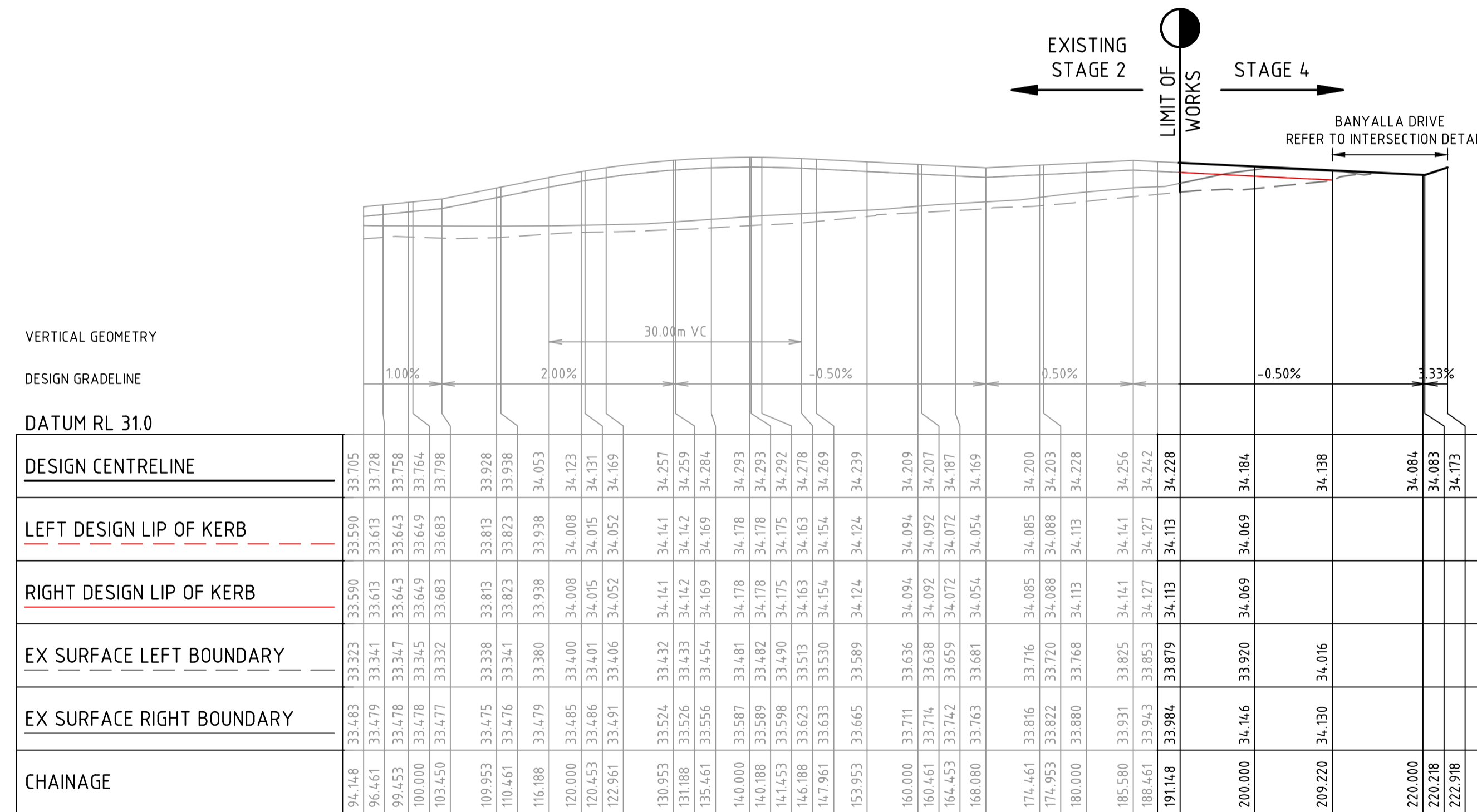
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EX SURFACE LEFT BOUNDARY				33.803	33.920	20.000	33.795	33.895	23.148	33.792	33.850	33.810	33.915	33.936	37.670	33.933	34.083	33.965	34.055	38.960	33.940	34.090	33.978	33.978	34.068	40.000	33.946	34.095	33.989	33.989	34.079	40.542	33.949	34.097	33.994	34.084	50.542	34.041	34.102	34.056	34.056	34.147	51.670	34.046	34.096	34.058	34.149	53.815	34.056	34.091	34.061	34.151	55.647	34.073	34.109	34.059	34.150	60.000	34.129	34.149	34.047	34.137	60.542	34.126	34.152	34.044	34.134	65.714	34.096	34.172	34.011	34.111	65.539	34.094	34.172	34.009	34.109	69.647	34.172	34.172	34.030	34.130	80.000	34.219	34.082	34.182	83.847	34.223	34.100	34.200	89.397	34.105	34.154	34.138	34.228	96.147	34.063	34.184	34.162	34.262	99.075	34.073	34.230	34.177	34.277	100.000	34.100	34.245	34.182	34.282	106.647	34.245	34.310	34.225	34.315	111.575	34.210	34.281	34.249	34.339	117.147	34.218	34.316	34.277	34.367	119.176	34.238	34.319	34.283	34.380	120.000	34.239	34.319	34.280	34.379	124.075	34.202	34.317	34.259	34.359	129.647	34.240	34.275	34.231	34.331	133.851	34.233	34.293	34.210	34.310	134.451	34.230	34.295	34.207	34.307	134.776	34.228	34.296	34.205	34.305	137.297	34.228	34.305	34.218	34.318	138.697	34.318	34.318	34.318	34.418	140.000	34.312	34.325	34.325	34.425	143.647	34.273	34.273	34.343	34.443	157.123	34.309	34.410	34.510	157.647	34.313	34.386	34.484	158.634	34.253	34.319	34.343	34.434	158.795	34.254	34.321	34.335	34.425	160.000	34.262	34.333	34.332	34.431	166.130	34.282	34.403	34.362	34.472	170.147	34.293	34.403	34.382	34.482	174.630	34.327	34.416	34.405	34.505	180.000	34.356	34.484	34.432	34.531	180.645	34.357	34.497	34.435	34.535	183.130	34.359	34.523	34.447	34.547	191.145	34.289	34.489	34.487	34.587	191.630	34.294	34.477	34.490	34.590	199.074	34.318	34.531	34.527	34.627	199.674	34.315	34.530	34.530	34.630	200.000	34.313	34.530	34.530	34.631	203.645	34.313	34.540	34.550	34.650	217.645	34.499	34.620	34.720	220.000	34.515	34.632	34.731	223.857	34.224	34.533	34.651	34.751	231.645	34.248	34.509	34.700	34.790	237.640	34.239	34.479	34.730	34.820	240.000	34.225	34.480	34.742	34.831	242.553	34.245	34.455	34.754	34.864	245.645	34.273	34.456	34.770	34.860	247.082	34.268	34.486	34.777	34.867	248.435	34.264	34.523	34.784	34.874	249.188	34.259	34.545	34.790	34.880	260.000	34.249	34.569	34.842	34.931	260.860	34.248	34.567	34.846	34.936	263.706	34.256	34.560	34.860	34.950	266.860	34.277	34.562	34.868	34.959	267.552	34.277	34.535	34.870	34.960	274.332	34.281	34.505	34.830	34.930	276.206	34.280	34.509	34.830	34.911	280.000	34.243	34.514	34.859	34.859	288.706	34.669	34.669	34.669	34.717	289.298	34.652	34.652	34.652	34.717	291.248	34.717	34.717	34.717	34.717	
EX SURFACE RIGHT BOUNDARY				33.803	33.920	20.000	33.795	33.895	23.148	33.792	33.850	33.810	33.915	33.936	37.670	33.933	34.083	33.965	34.055	38.960	33.940	34.090	33.978	33.978	34.068	40.000	33.946	34.095	33.989	33.989	34.079	40.542	33.949	34.097	33.994	34.084	50.542	34.041	34.102	34.056	34.056	34.147	51.670	34.046	34.096	34.058	34.149	53.815	34.056	34.091	34.061	34.151	55.647	34.073	34.109	34.059	34.150	60.000	34.129	34.149	34.047	34.137	60.542	34.126	34.152	34.044	34.134	65.714	34.096	34.172	34.011	34.111	65.539	34.094	34.172	34.009	34.109	69.647	34.172	34.172	34.030	34.130	80.000	34.219	34.082	34.182	83.847	34.223	34.100	34.200	89.397	34.105	34.154	34.138	34.228	96.147	34.063	34.184	34.162	34.262	99.075	34.073	34.230	34.177	34.277	100.000	34.100	34.245	34.182	34.282	106.647	34.245	34.310	34.225	34.315	111.575	34.210	34.281	34.249	34.339	117.147	34.218	34.316	34.277	34.367	119.176	34.238	34.319	34.283	34.380	120.000	34.239	34.319	34.280	34.379	124.075	34.202	34.317	34.259	34.359	129.647	34.240	34.275	34.231	34.331	133.851	34.233	34.293	34.210	34.310	134.451	34.230	34.295	34.207	34.307	134.776	34.228	34.296	34.205	34.305	137.297	34.228	34.305	34.218	34.318	138.697	34.318	34.318	34.318	34.418	140.000	34.312	34.325	34.325	34.425	143.647	34.273	34.273	34.343	34.443	157.123	34.309	34.410	34.510	157.647	34.313	34.386	34.484	158.634	34.253	34.319	34.343	34.434	158.795	34.254	34.321	34.335	34.425	160.000	34.262	34.333	34.332	34.431	166.130	34.282	34.403	34.362	34.472	170.147	34.293	34.403	34.382	34.482	174.630	34.327	34.416	34.405	34.505	180.000	34.356	34.484	34.432	34.531	180.645	34.357	34.497	34.435	34.535	183.130	34.359	34.523	34.447	34.547	191.145	34.289	34.489	34.487	34.587	191.630	34.294	34.477	34.490	34.590	199.074	34.318	34.531	34.527	34.627	199.674	34.315	34.530	34.530	34.630	200.000	34.313	34.530	34.530	34.631	203.645	34.313	34.540	34.550	34.650	217.645	34.499	34.620	34.720	220.000	34.515	34.632	34.731	223.857	34.224	34.533	34.651	34.751	231.645	34.248	34.509	34.700	34.790	237.640	34.239	34.479	34.730	34.820	240.000	34.225	34.480	34.742	34.831	242.553	34.245	34.455	34.754	34.864	245.645	34.273	34.456	34.770	34.860	247.082	34.268	34.486	34.777	34.867	248.435	34.264	34.523	34.784	34.874	249.188	34.259	34.545	34.790	34.880	260.000	34.249	34.569	34.842	34.931	260.860	34.248	34.567	34.846	34.936	263.706	34.256	34.560	34.860	34.950	266.860	34.277	34.562	34.868	34.959	267.552	34.277	34.535	34.870	34.960	274.332	34.281	34.505	34.830	3																										



BOOTLACE ROAD



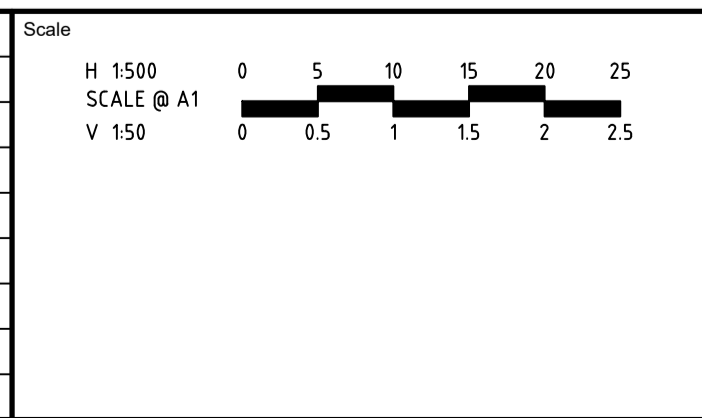
MESSMATE STREET



DAISY STREET

file name: 309132CR300.dwg, layout: cr300, title: CD301, plotted by: Saurav, Eshwar  
file location: G:\309132CR300\309132CR300.dwg, plot date: 29/09/2022 8:58 AM, sheet: 6 of 72 Sheets

Rev	Description	By	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	23/03/22
	Amendments	Approved	Date



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spiire.com.au ABN 55 050 029 635

Designed  
M. WRIGHT

Checked  
B. IBBS

Authorised  
B. WAREHAM

Date  
29/09/2022

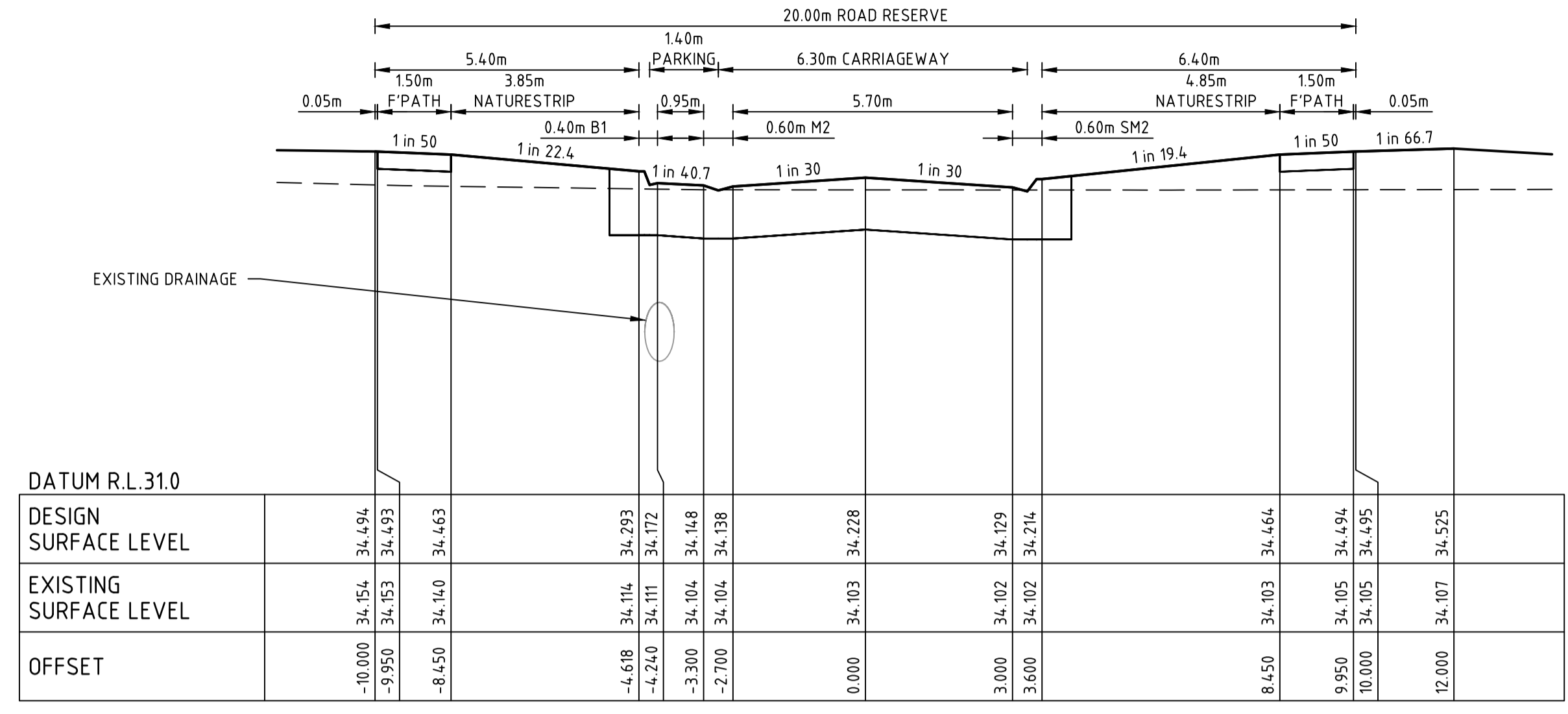
OFFICER CENTRAL  
STAGE 4  
ROAD AND DRAINAGE  
ROAD LONG SECTIONS - SHEET 2  
CARDINIA SHIRE  
YOURLAND PTY LTD

CONSTRUCTION 309132CR301

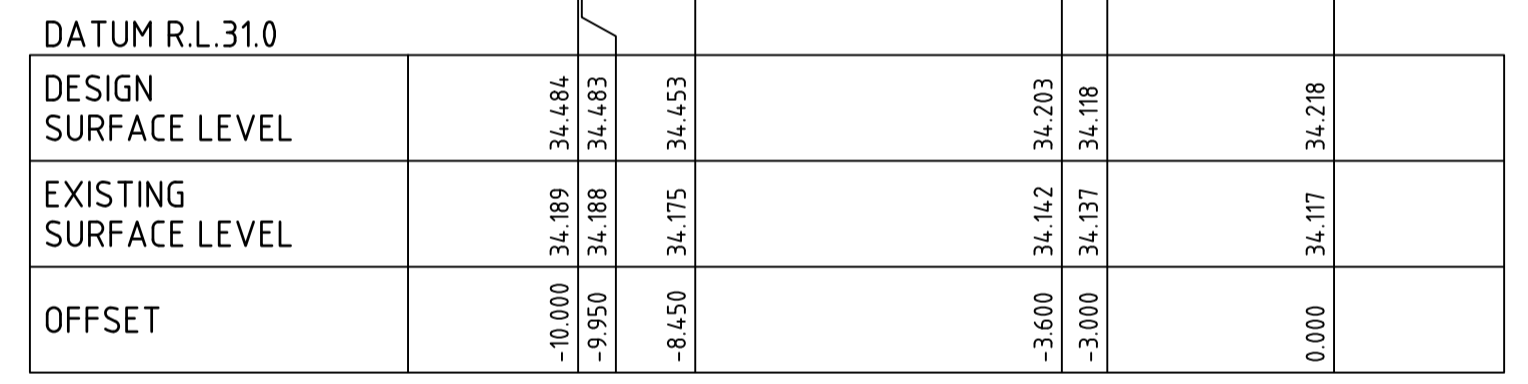
Rev 0



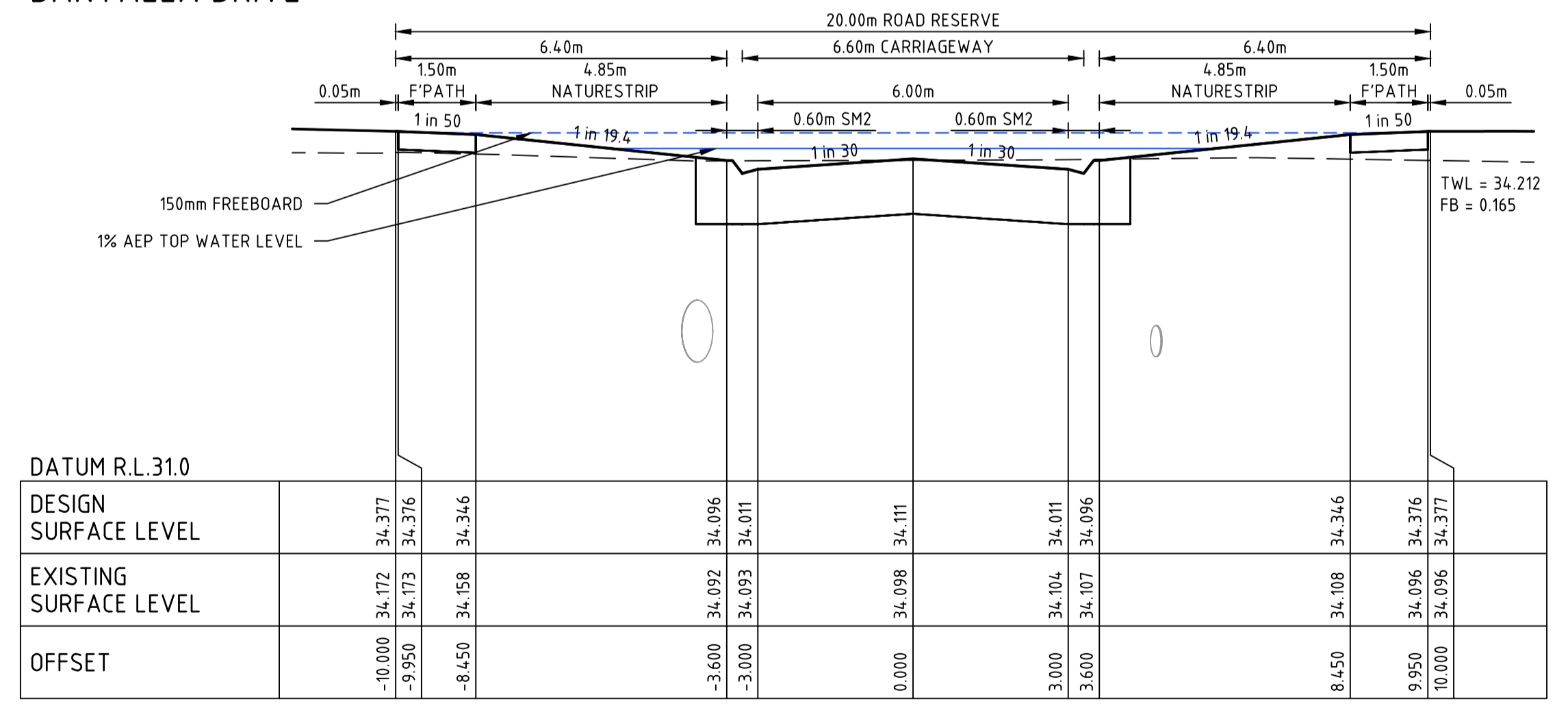
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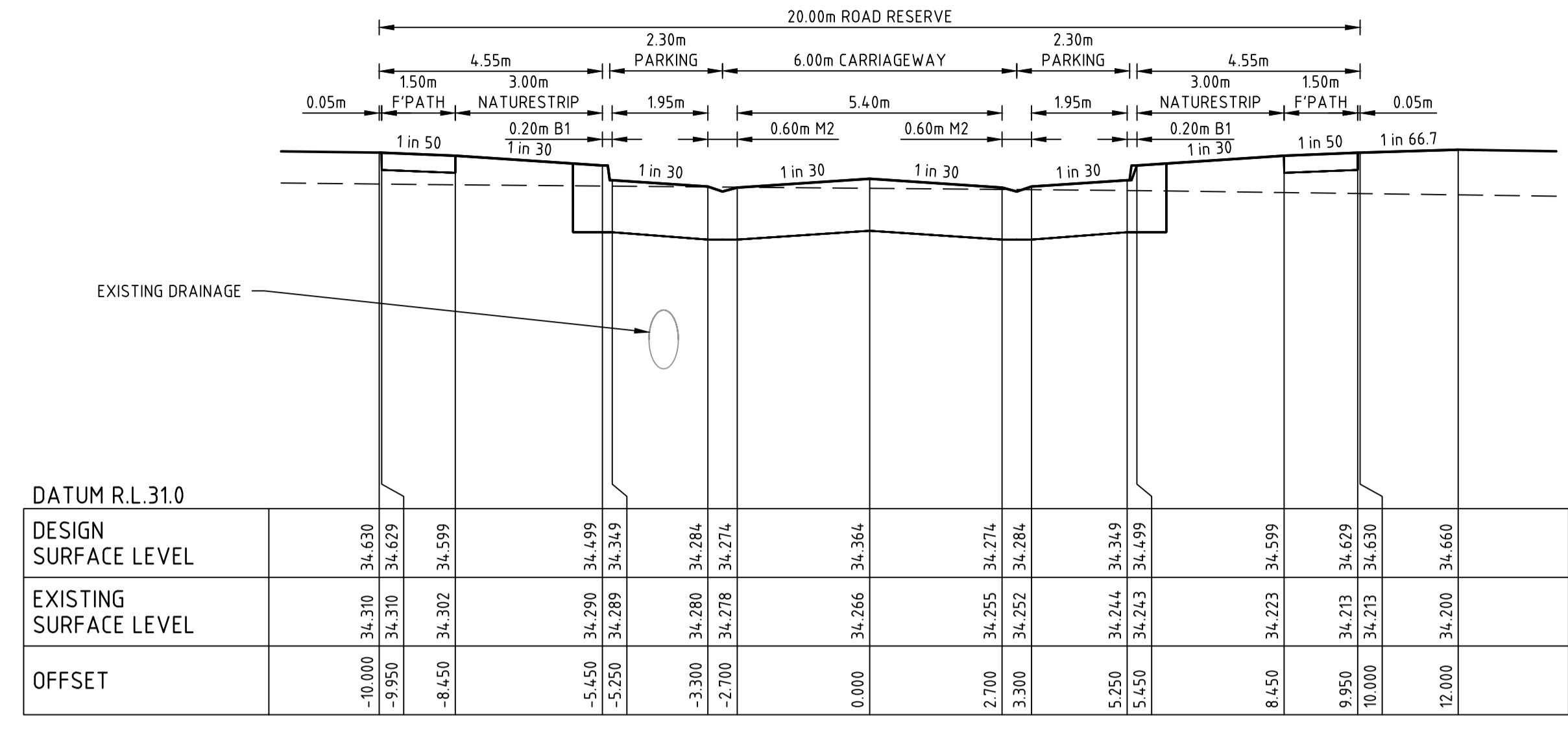
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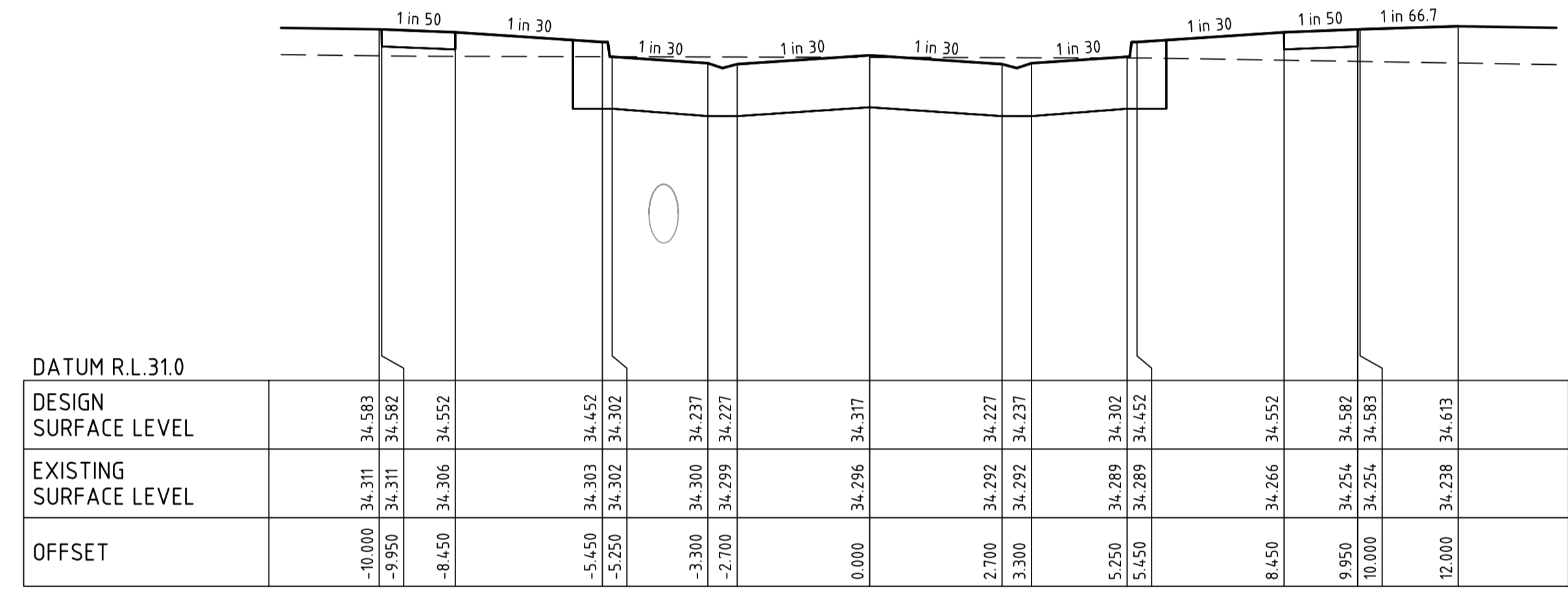
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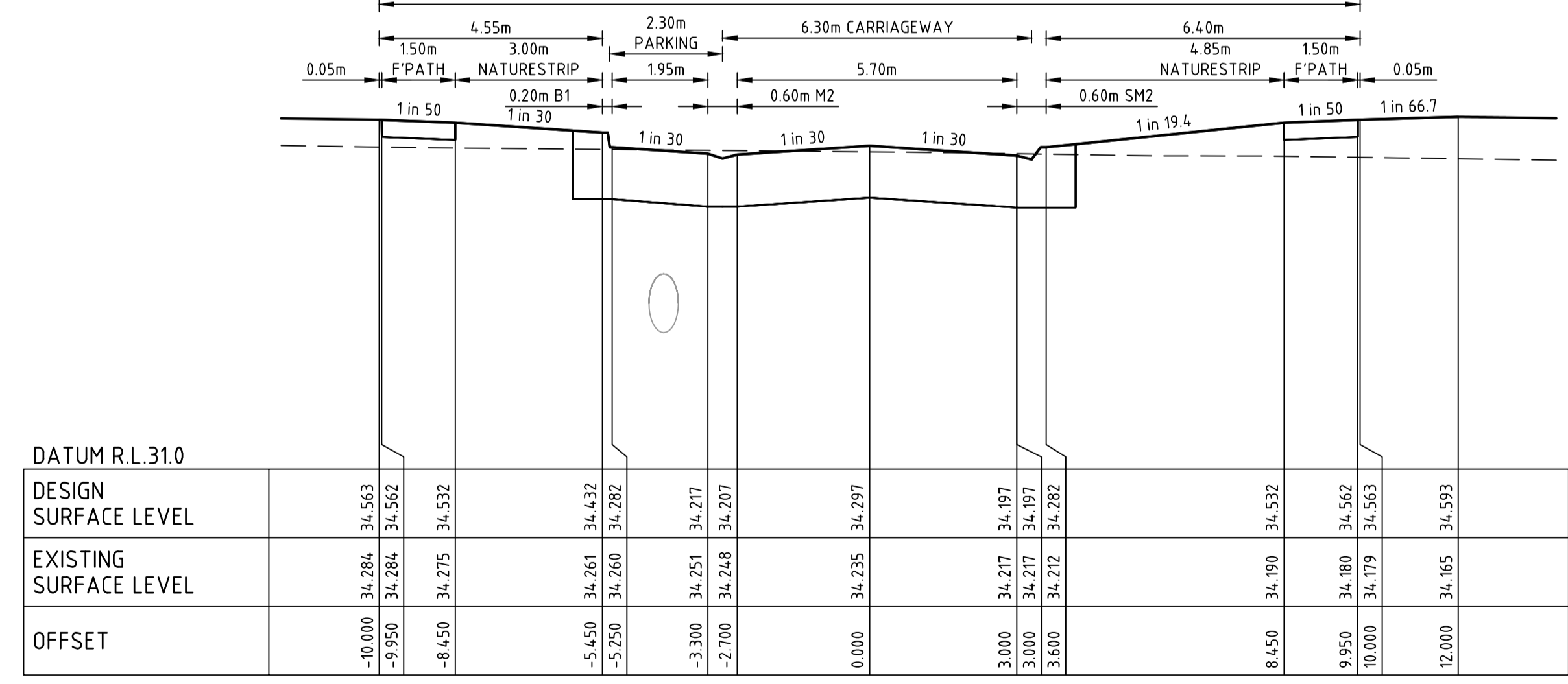
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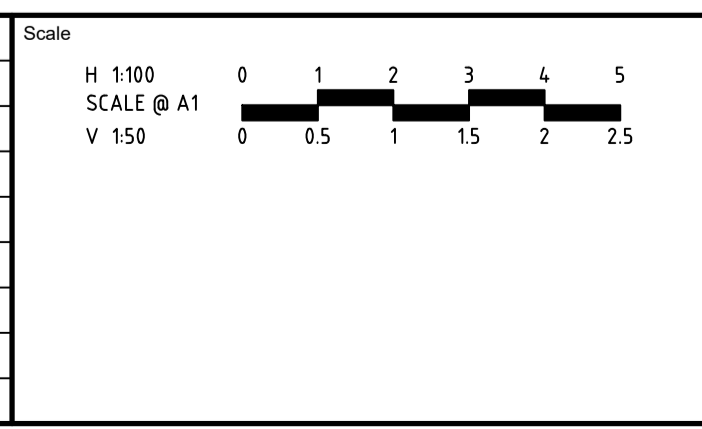
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BANYALLA DRIVE CH 103.17

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 file location: \\spire\server\Drawings\309132CR401.dwg, plot date: 29/09/2022 8:50 AM, Sheet 8 of 72 Sheets

Rev	Description	By	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	23/03/22
	Amendments	Approved	Date



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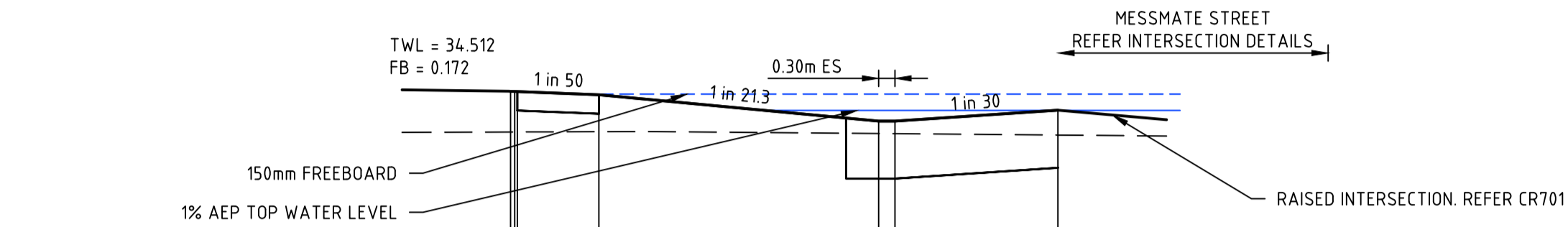
Designed: M. WRIGHT  
 Authorised: B. WAREHAM  
 Checked: B. IBBS  
 Date: 29/09/2022

**OFFICER CENTRAL**  
**STAGE 4**  
**ROAD AND DRAINAGE**  
**ROAD CROSS SECTIONS - SHEET 2**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD  
**CONSTRUCTION**

Drg No: 309132CR401 Rev: 0

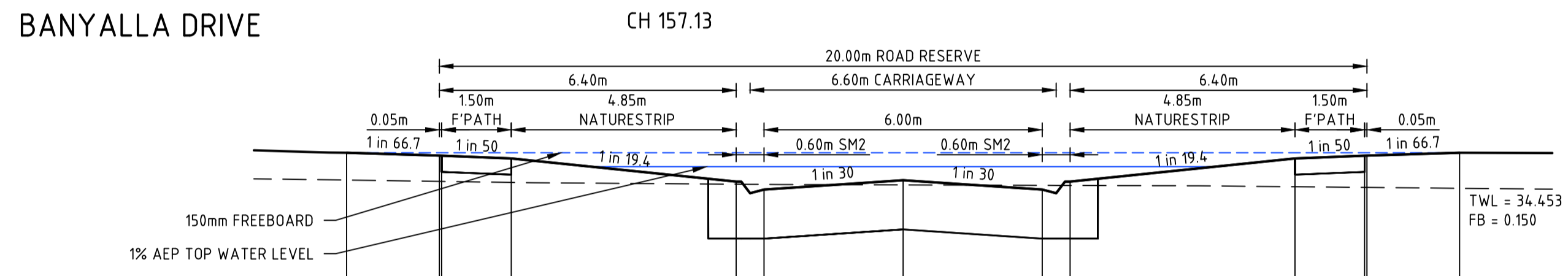


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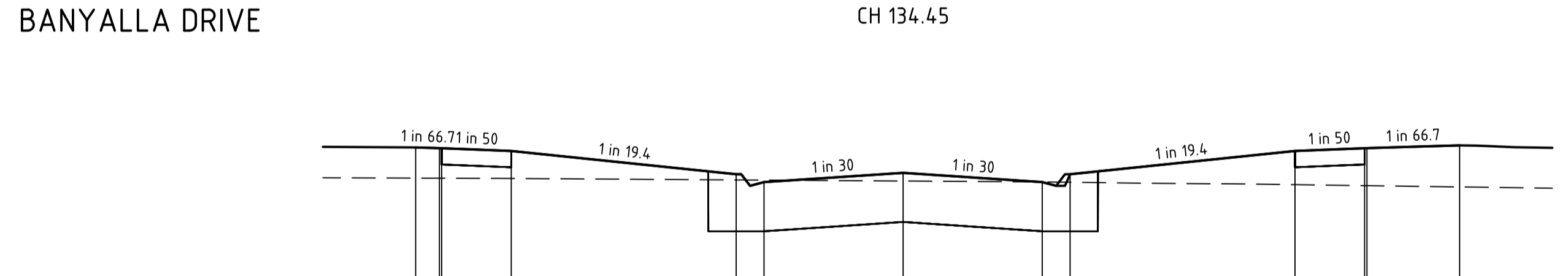
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EXISTING SURFACE LEVEL									
OFFSET									



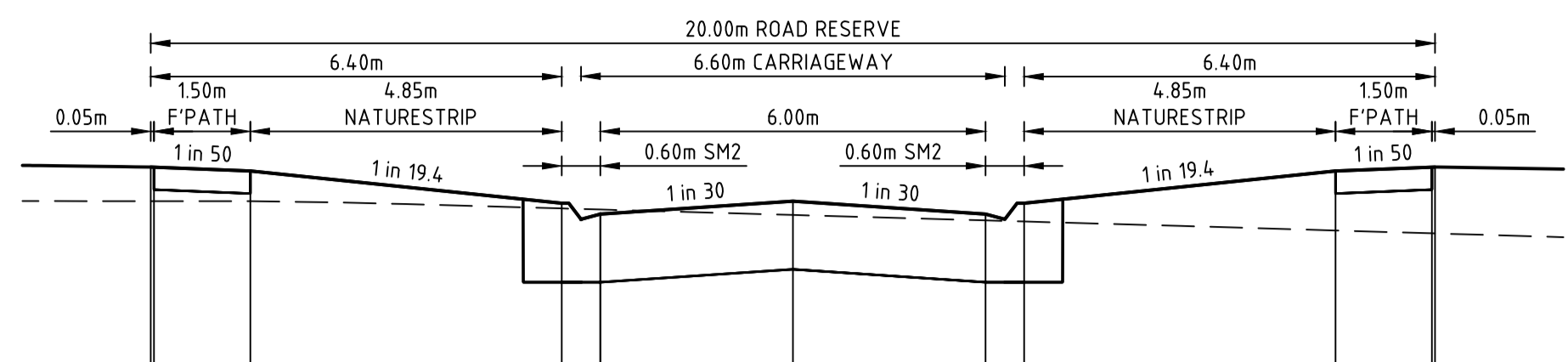
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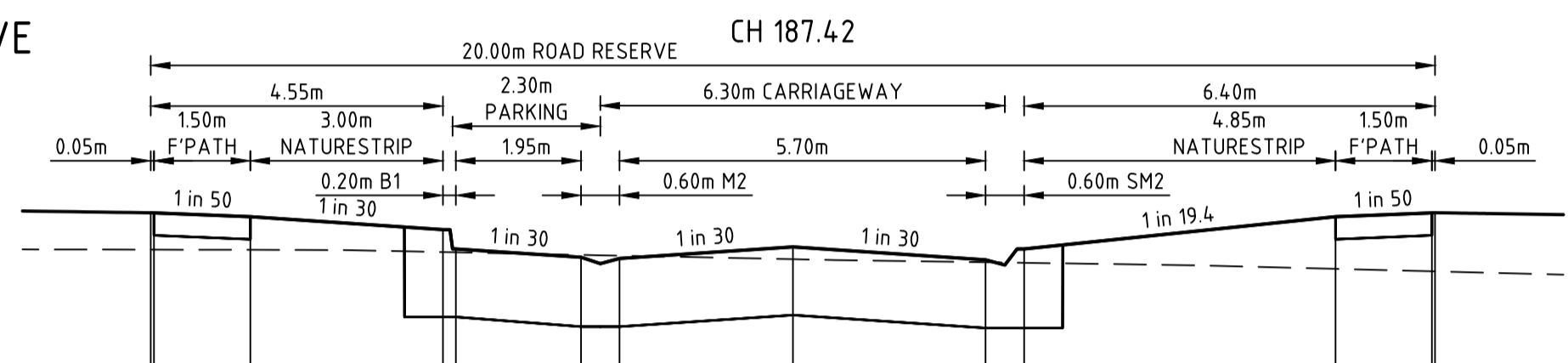
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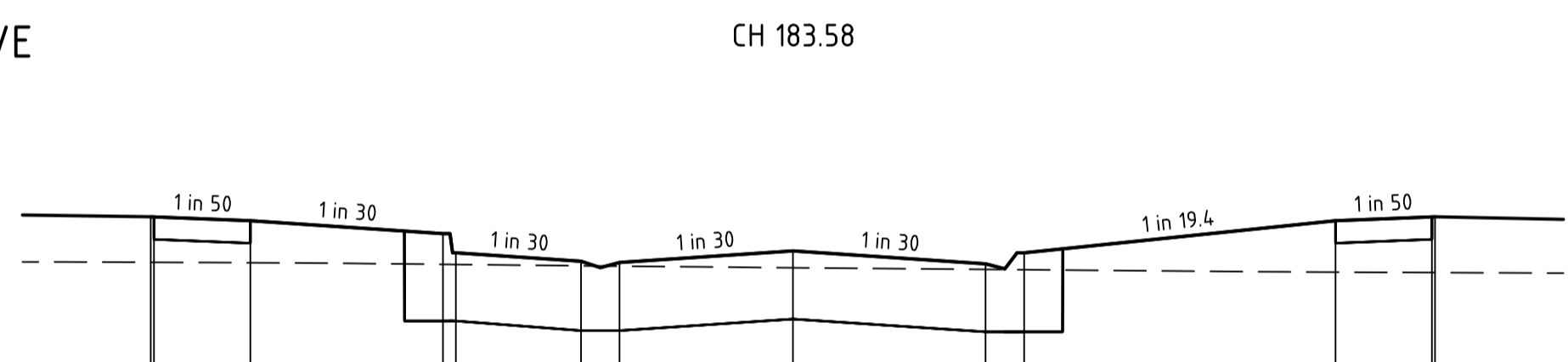
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OFFSET									



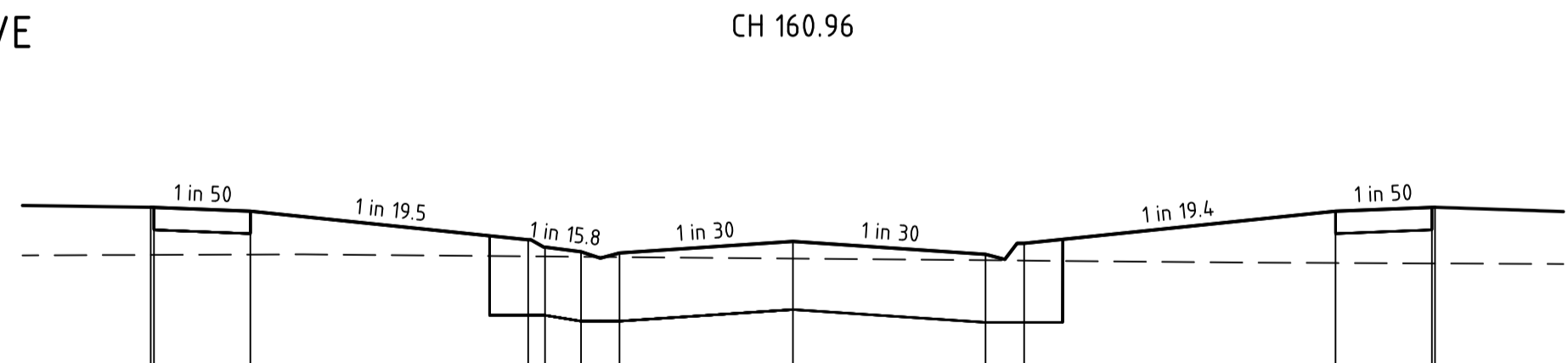
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EXISTING SURFACE LEVEL									
OFFSET									



DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									



DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									



DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									

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Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
B	ADDED CH157 TWL	B.W	01/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22

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 B. WAREHAM

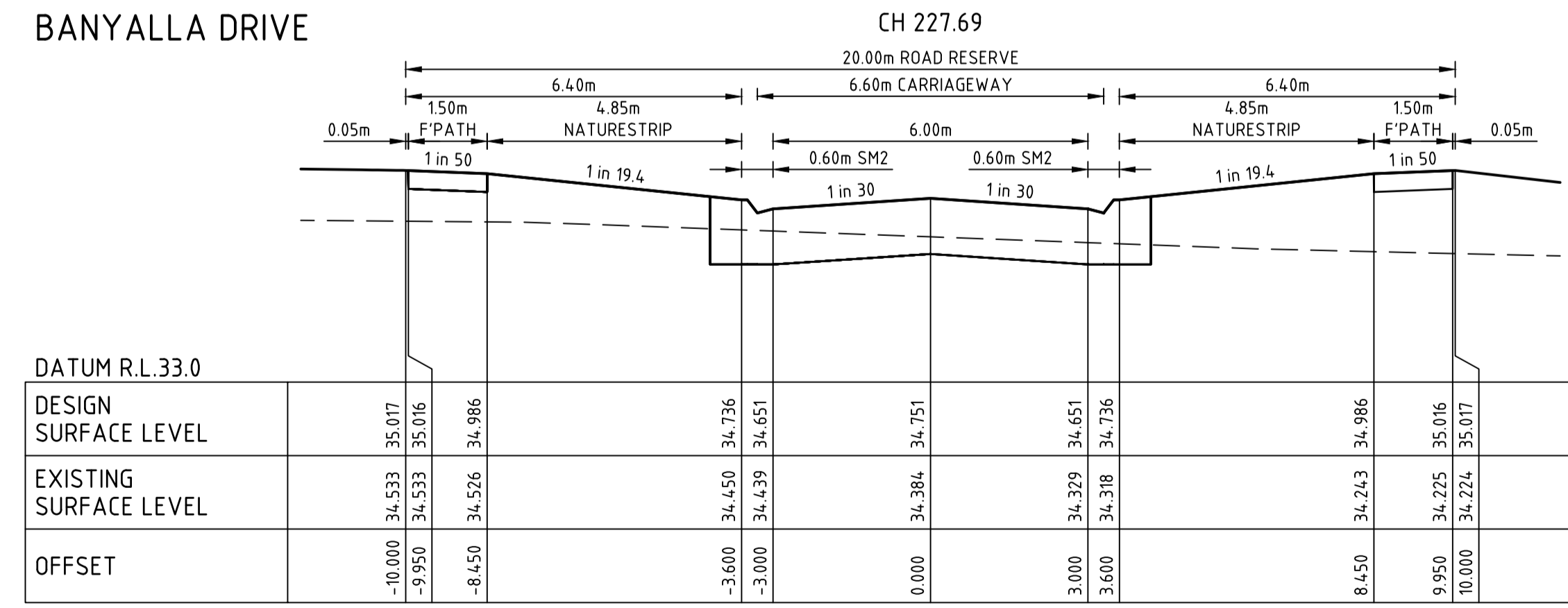
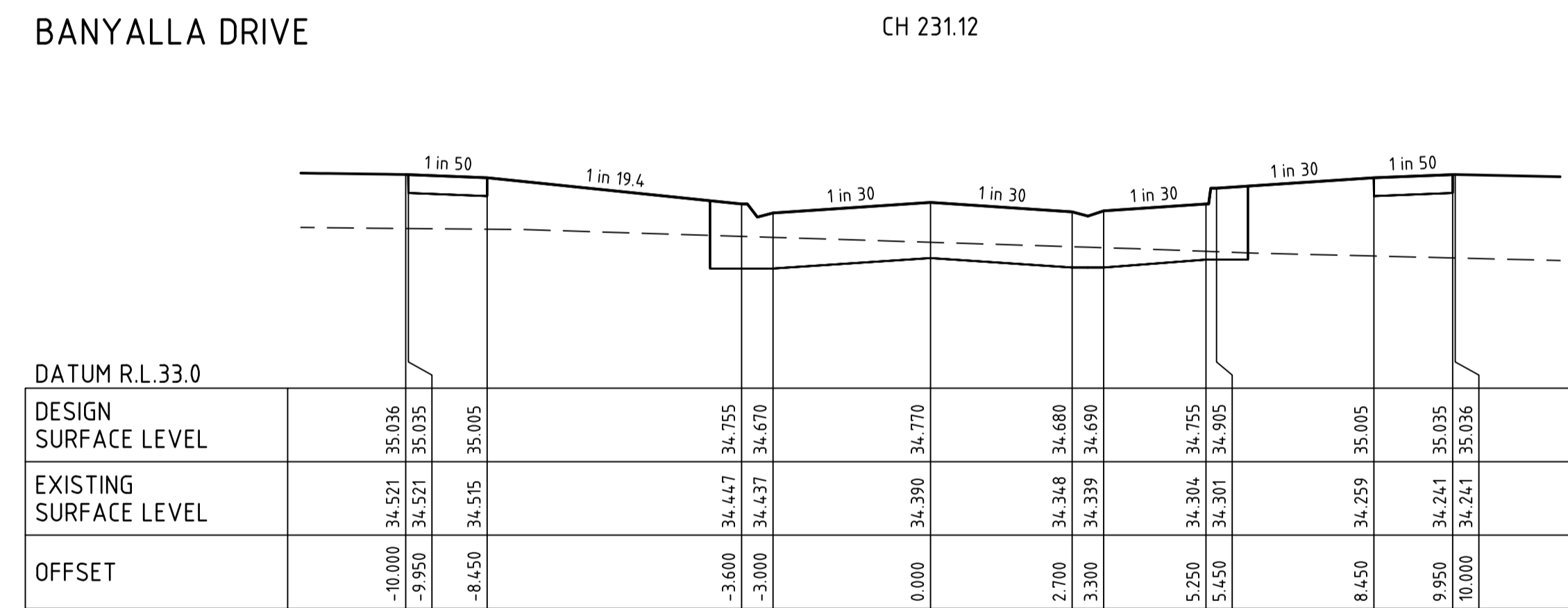
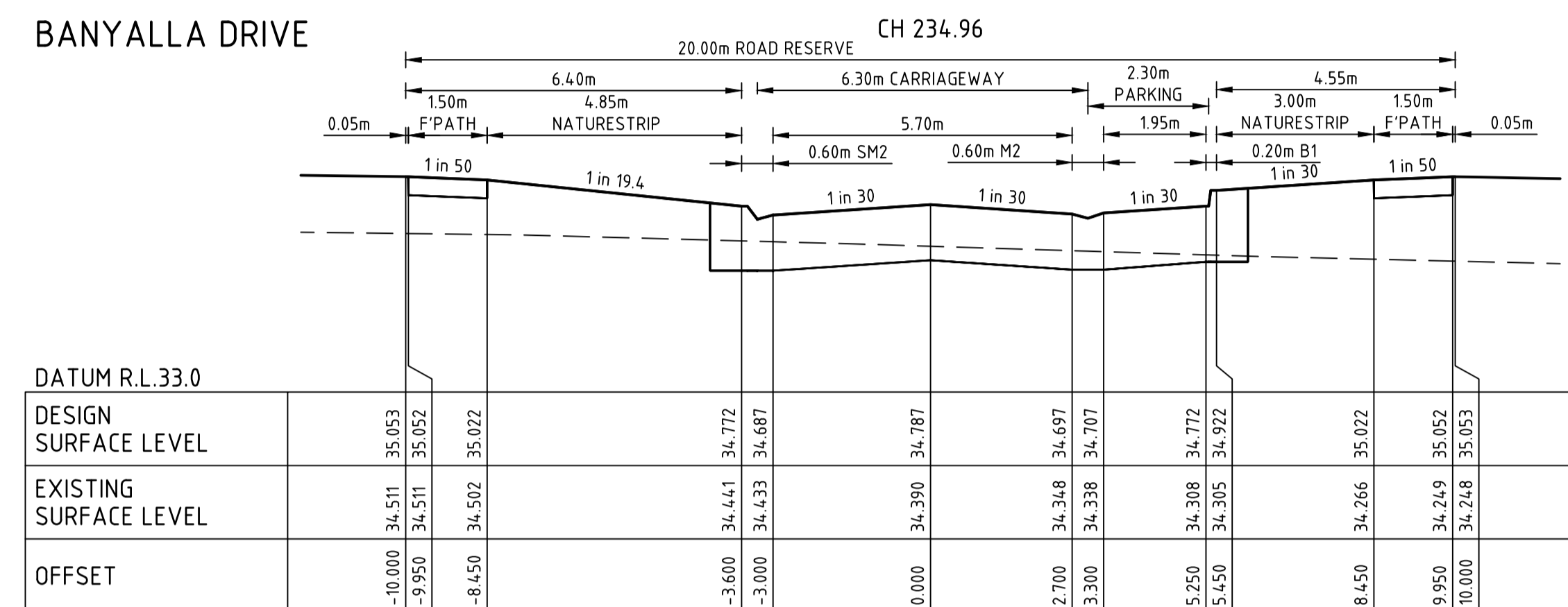
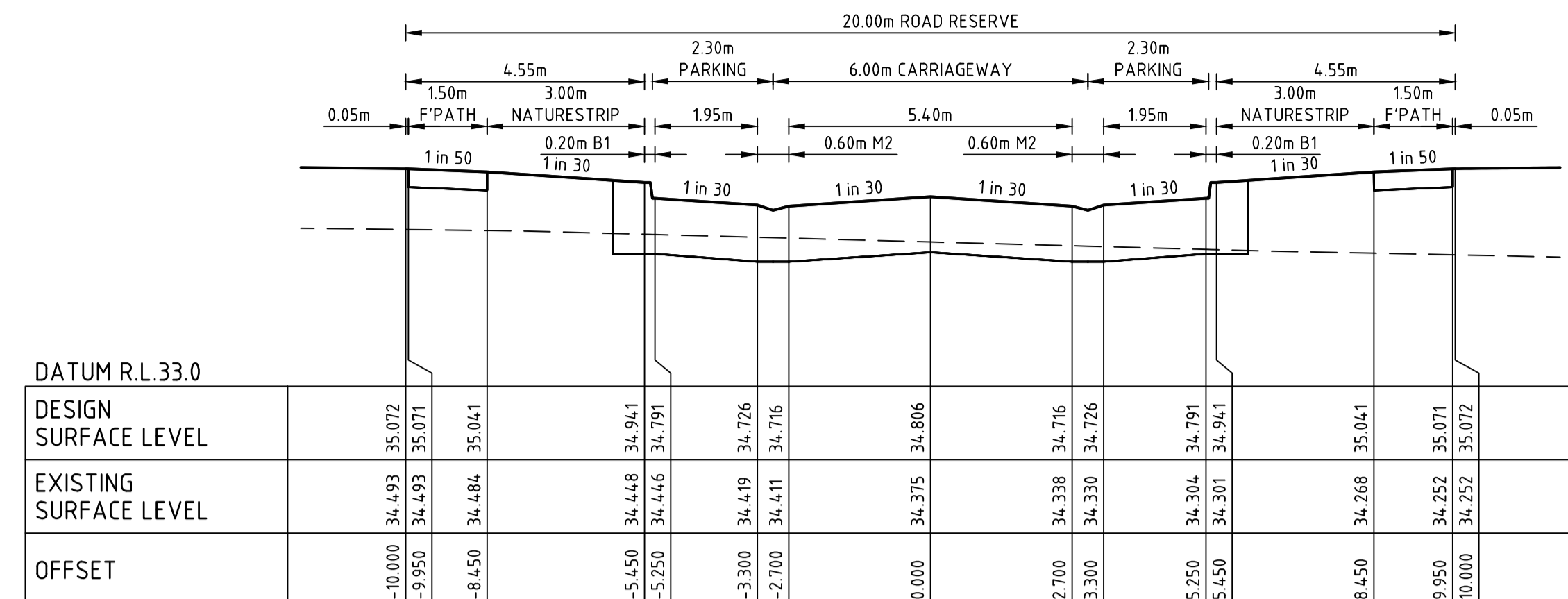
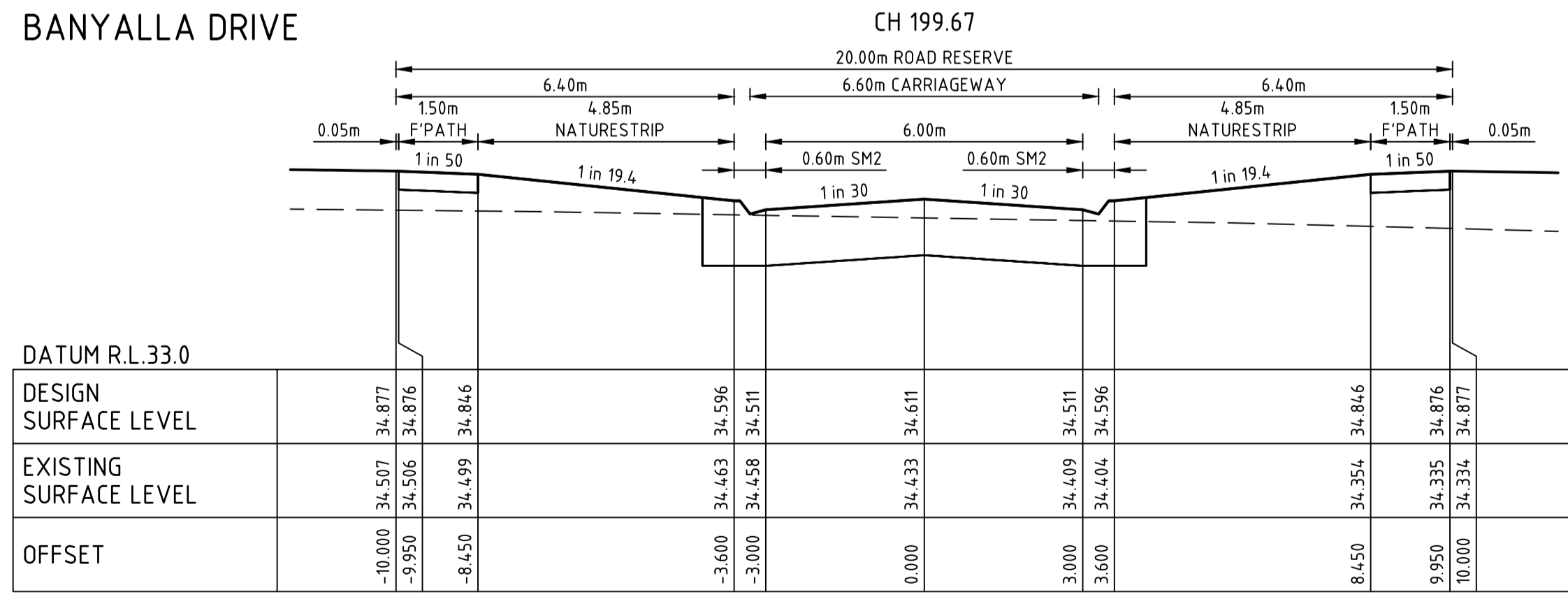
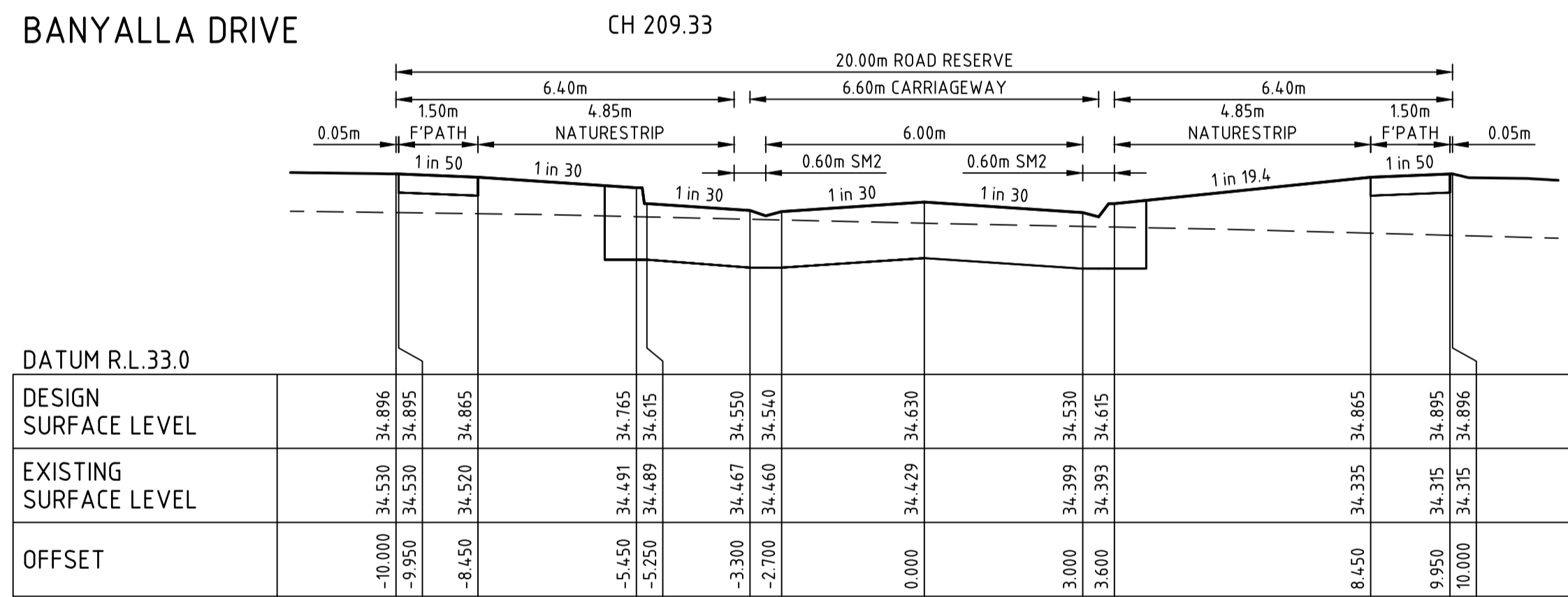
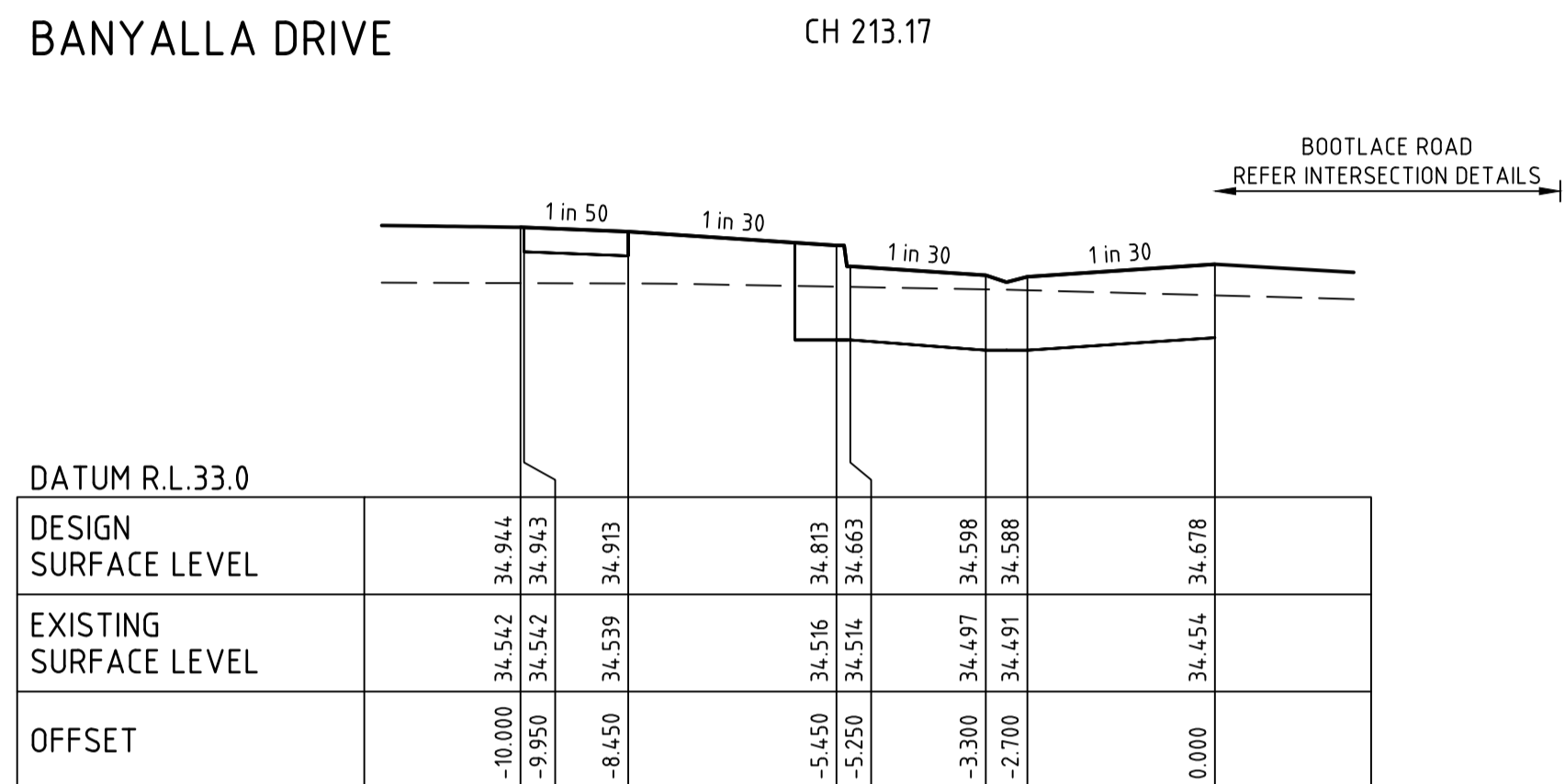
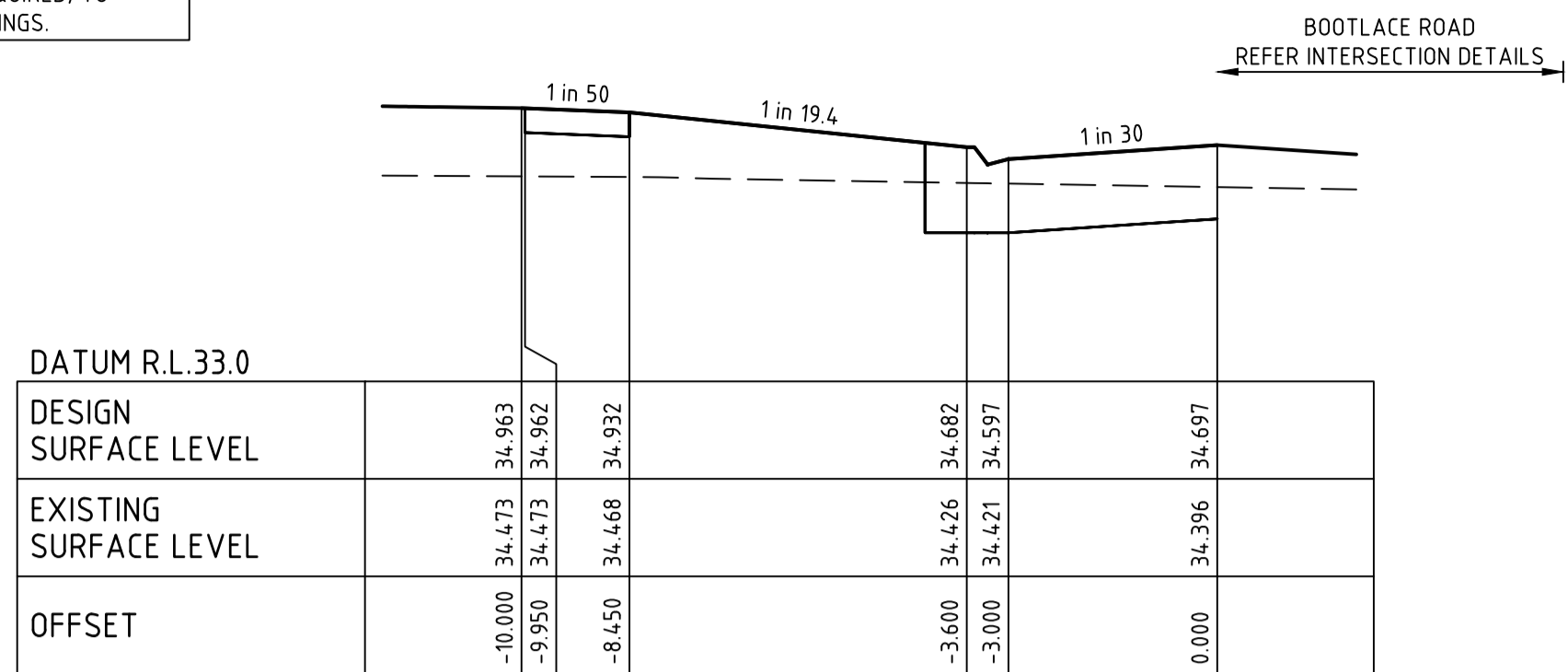
Checked  
 B. IBBS  
 Date  
 29/09/2022

**OFFICER CENTRAL**  
**STAGE 4**  
**ROAD AND DRAINAGE**  
**ROAD CROSS SECTIONS - SHEET 3**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

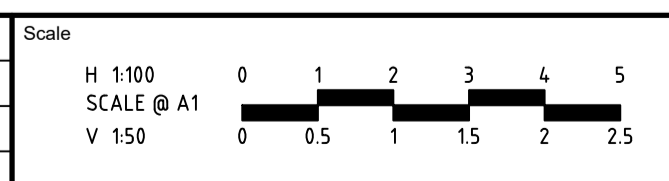
Drg No  
**CONSTRUCTION 309132CR402**

Rev  
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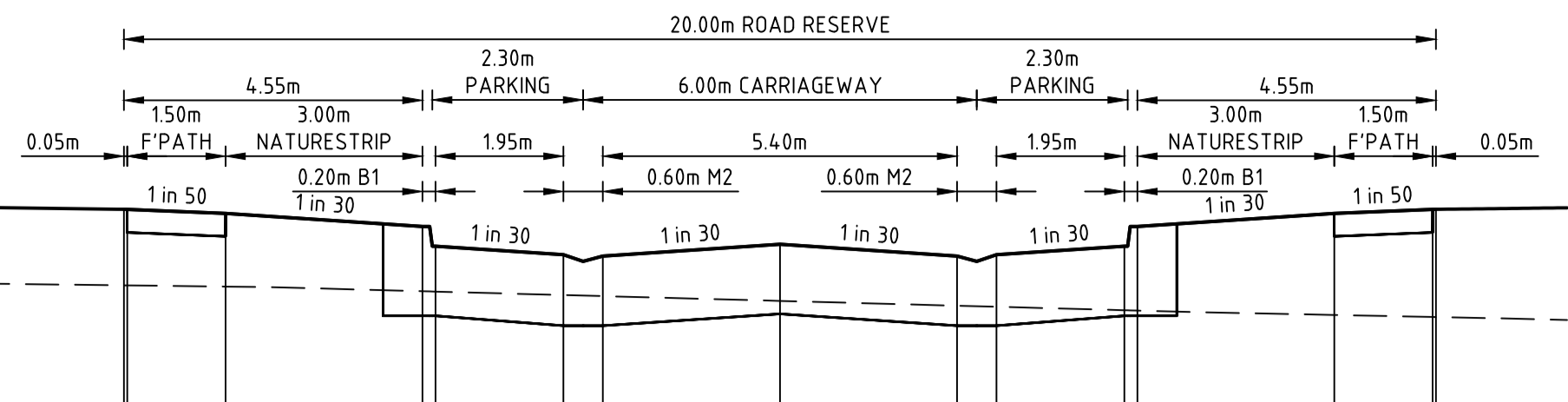


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 B. WAREHAM  
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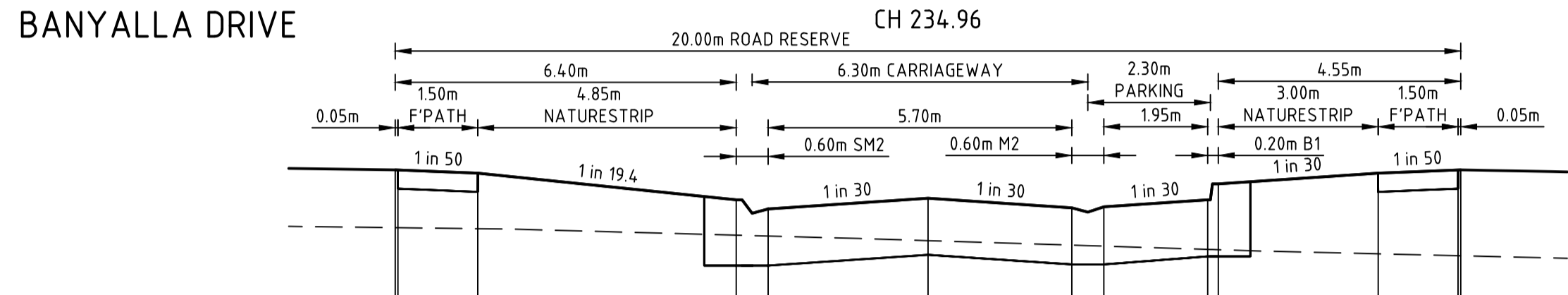
**OFFICER CENTRAL  
 STAGE 4  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 4  
 CARDINIA SHIRE  
 YOURLAND PTY LTD**

**CONSTRUCTION** Drg No 309132CR403 Rev 0

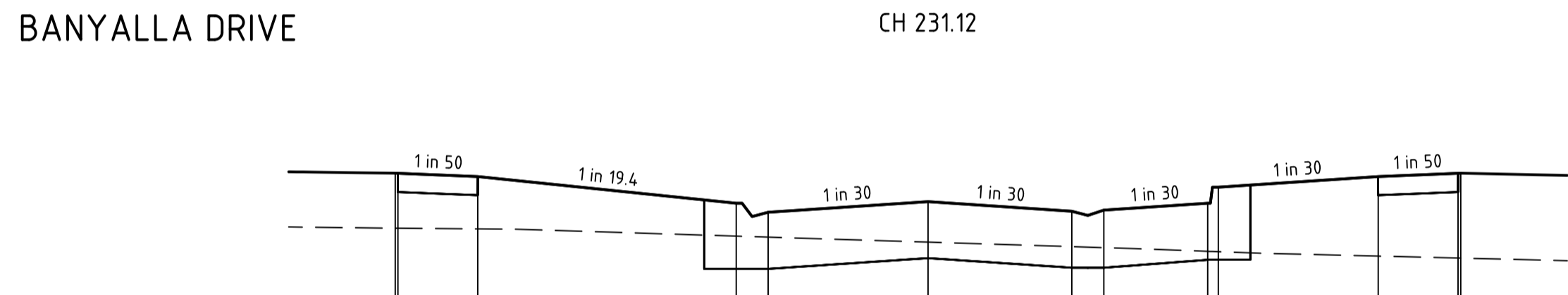
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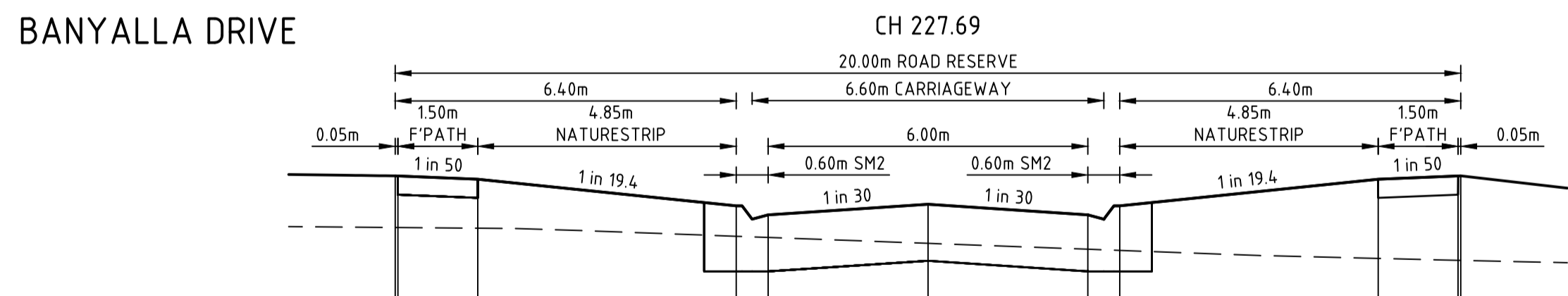
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	-5.250 34.446 34.791
	-3.300 34.419 34.726
	-2.700 34.411 34.716
	0.000 34.375 34.806
	2.700 34.338 34.716
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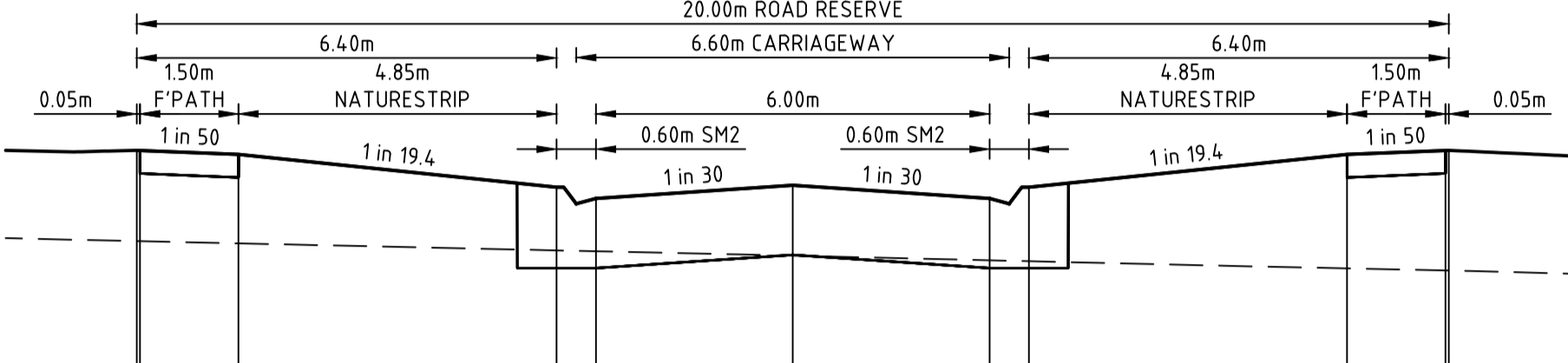


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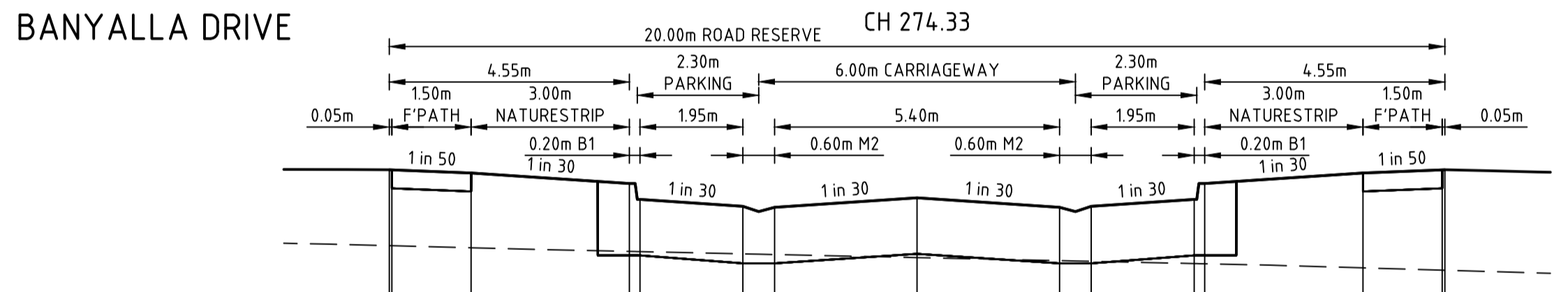


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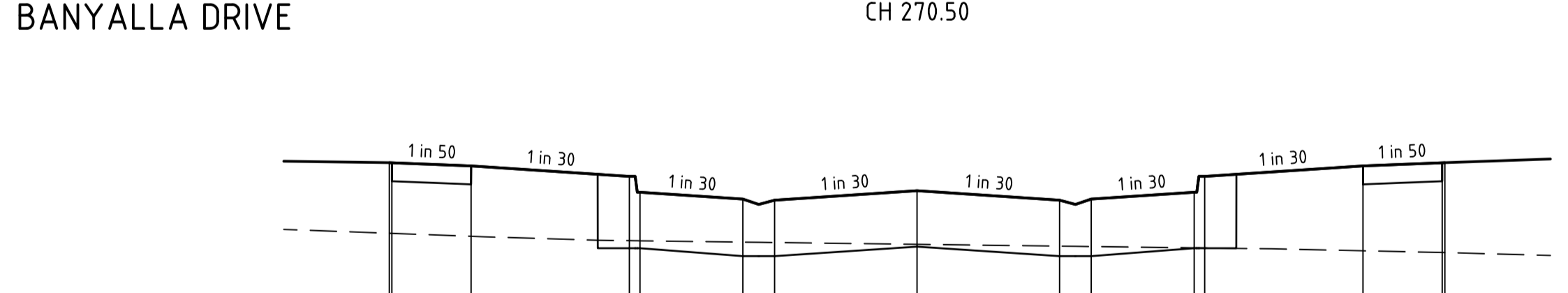
BANYALLA DRIVE CH 223.86



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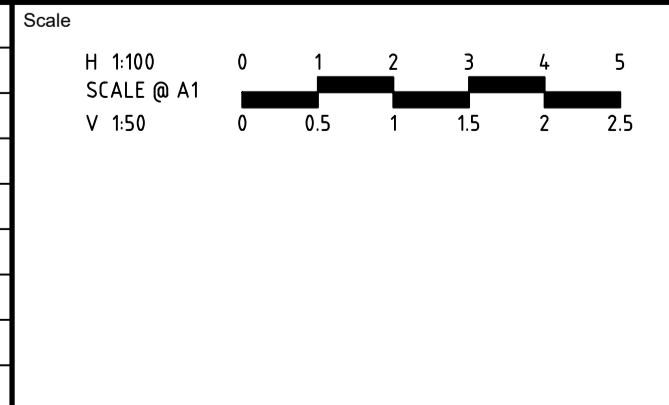
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DATUM R.L.33.0	
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EXISTING SURFACE LEVEL	-9.950 34.455 35.125
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BANYALLA DRIVE CH 245.65

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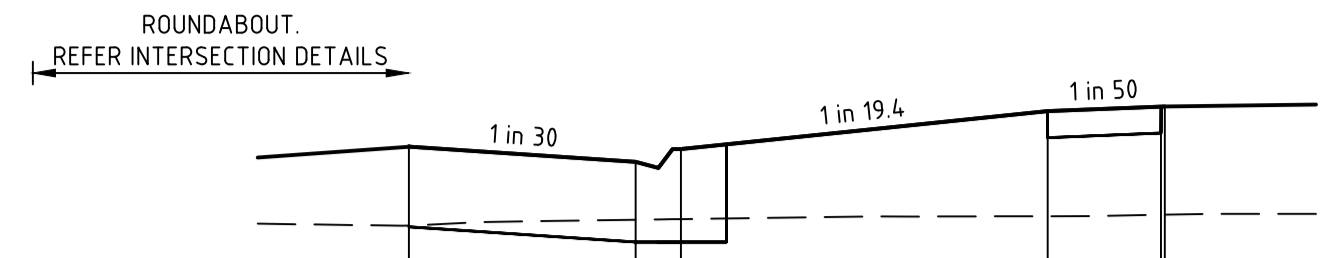
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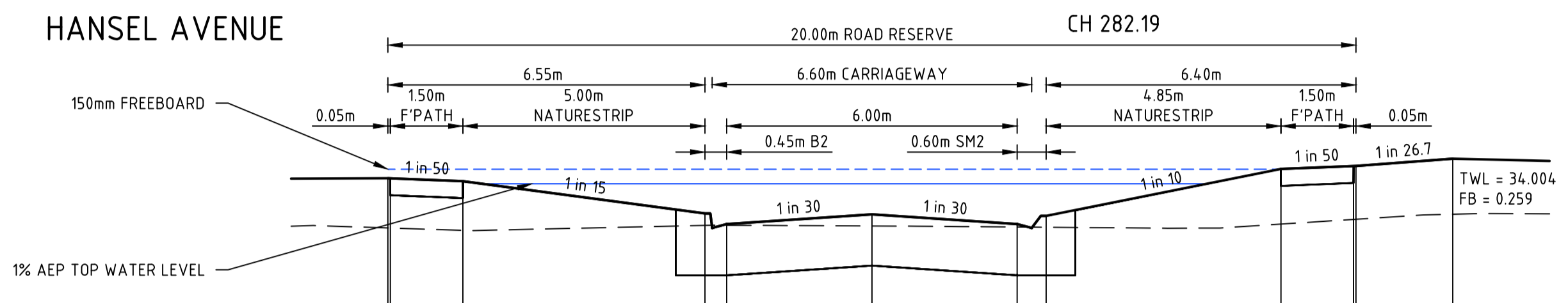
Designed  
 M. WRIGHT  
 Authorised  
 B. WAREHAM  
 Checked  
 B. IBBS  
 Date  
 29/09/2022

**OFFICER CENTRAL  
 STAGE 4  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 5  
 CARDINIA SHIRE  
 YOURLAND PTY LTD**  
**CONSTRUCTION** Drg No: 309132CR404 Rev: 0

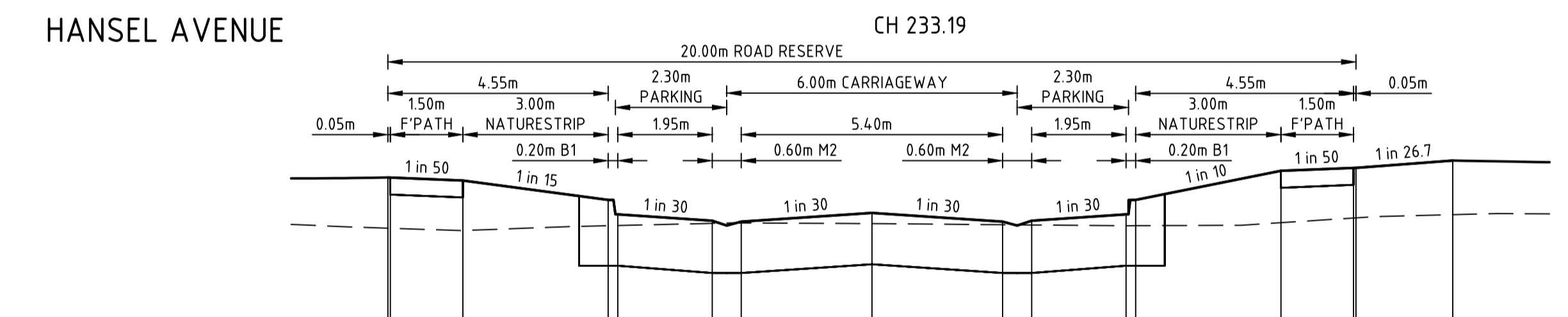
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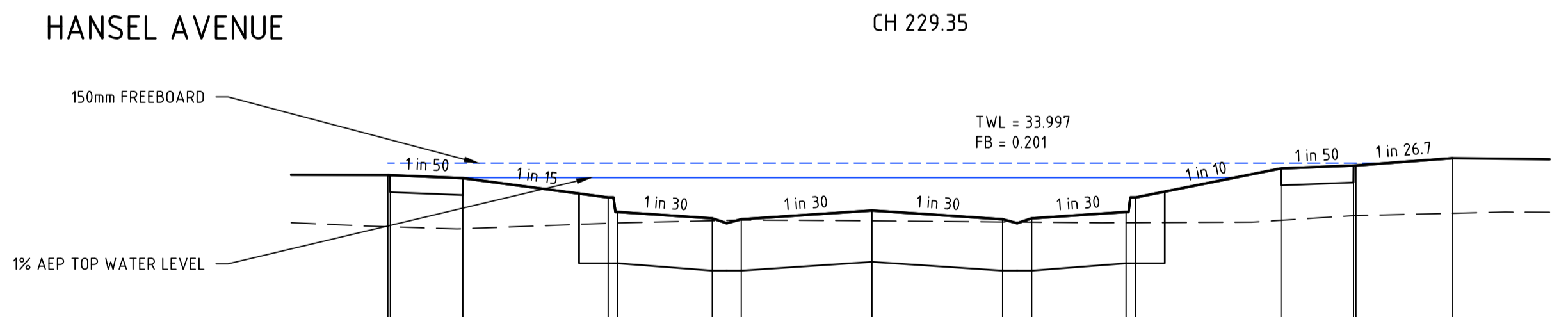
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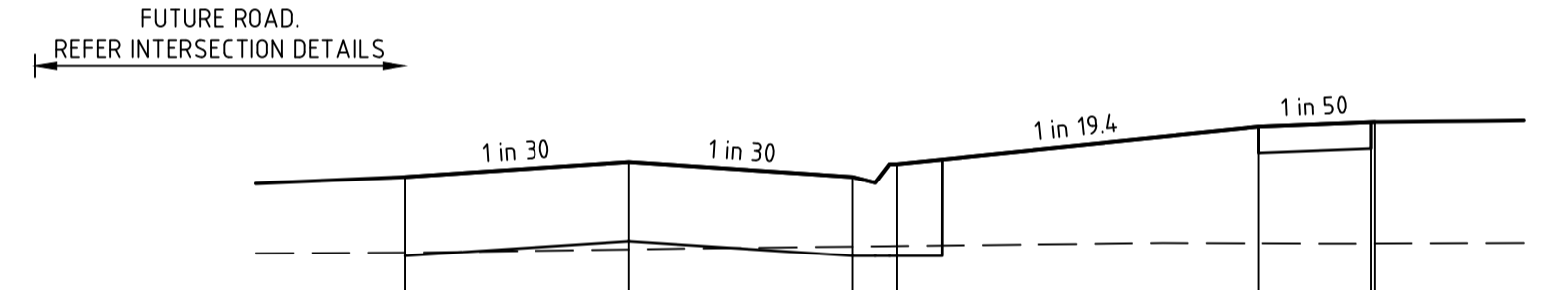
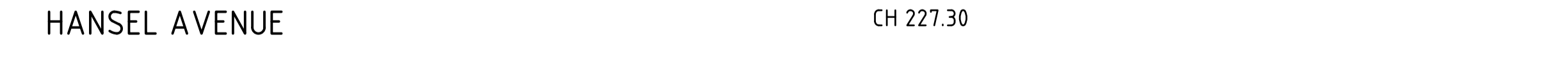
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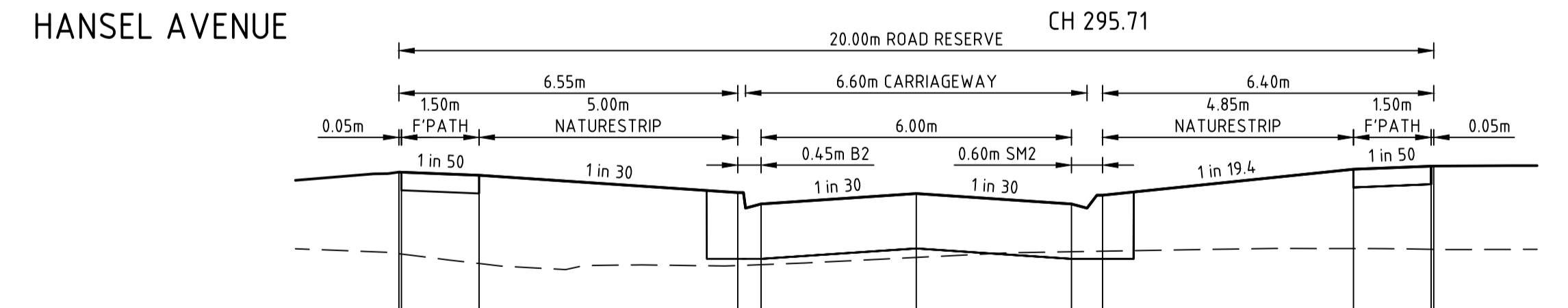
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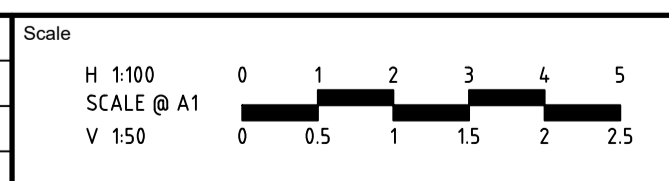
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EXISTING SURFACE LEVEL		34.110	34.171
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EXISTING SURFACE LEVEL		34.083	34.107
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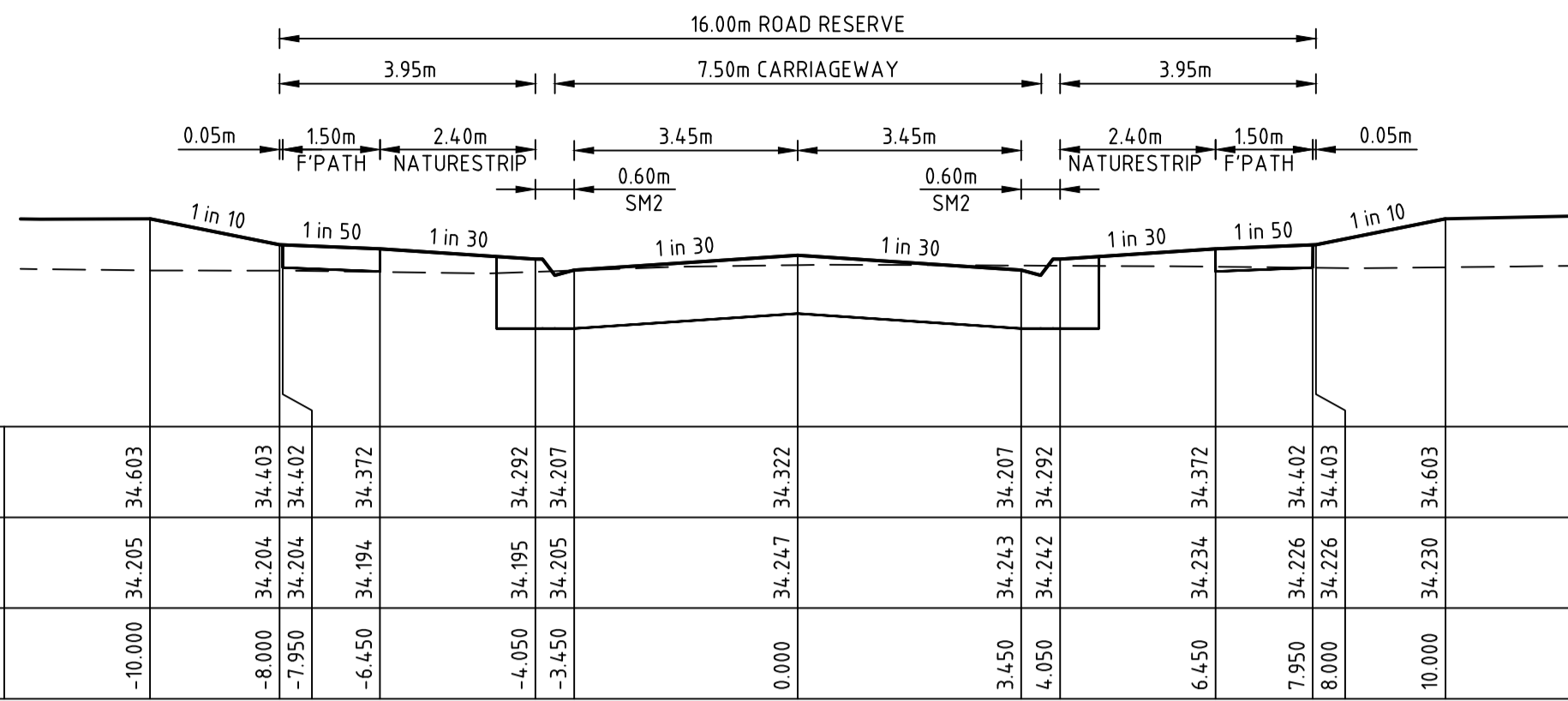


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 Authorised  
 B. WAREHAM  
 Checked  
 B. IBBS  
 Date  
 29/09/2022

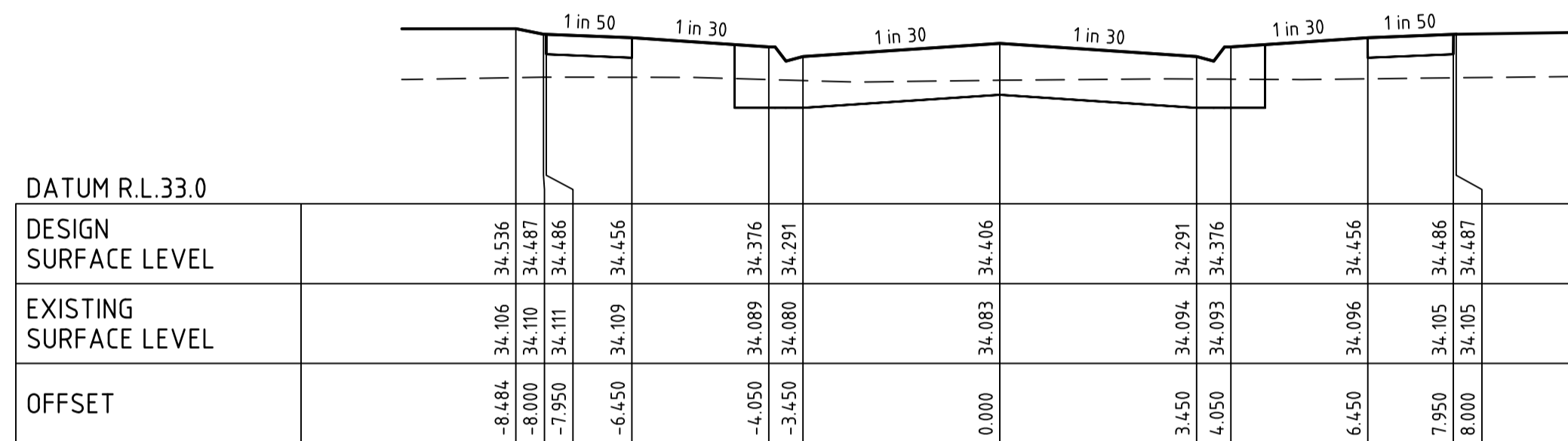
**OFFICER CENTRAL  
 STAGE 4  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 6**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION** Drg No 309132CR405 Rev 0

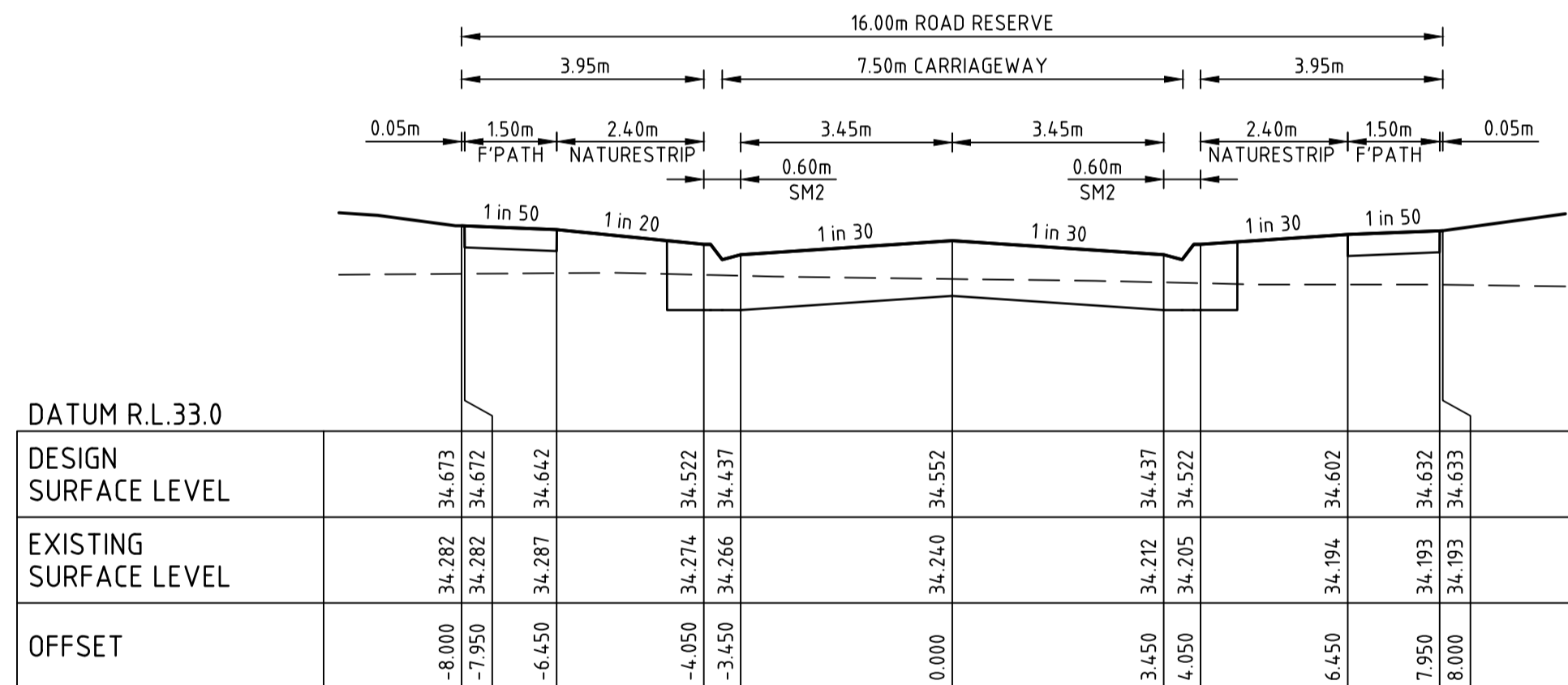
**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007, AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.



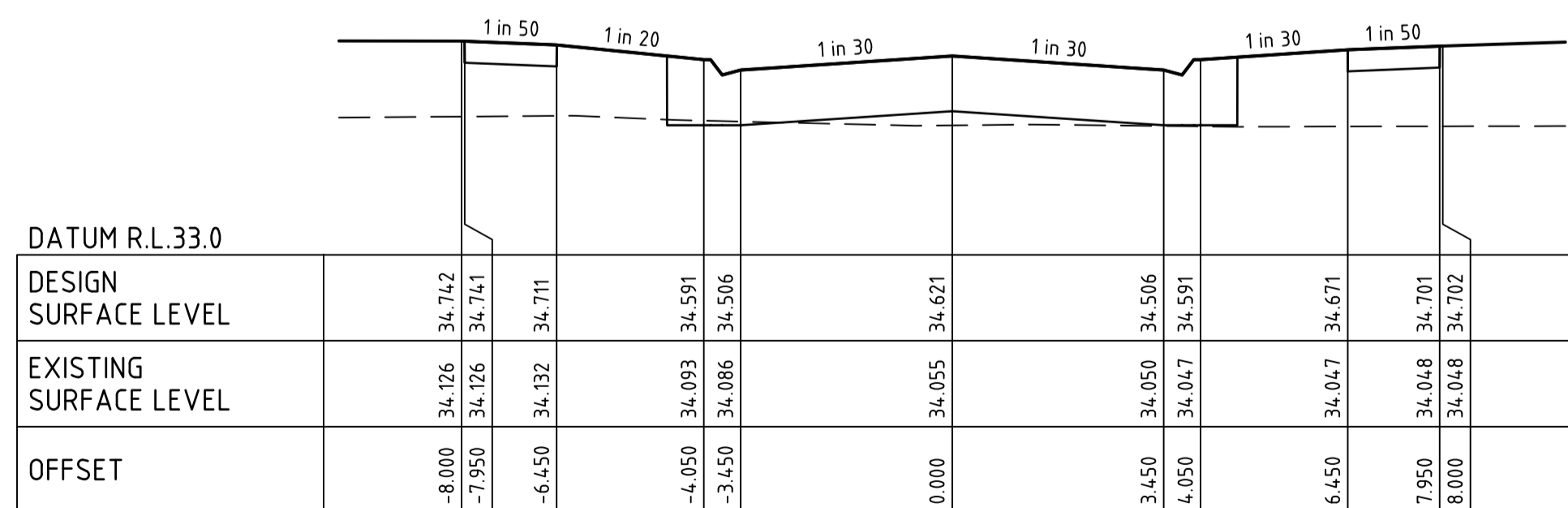
MESSMATE STREET CH 209.25



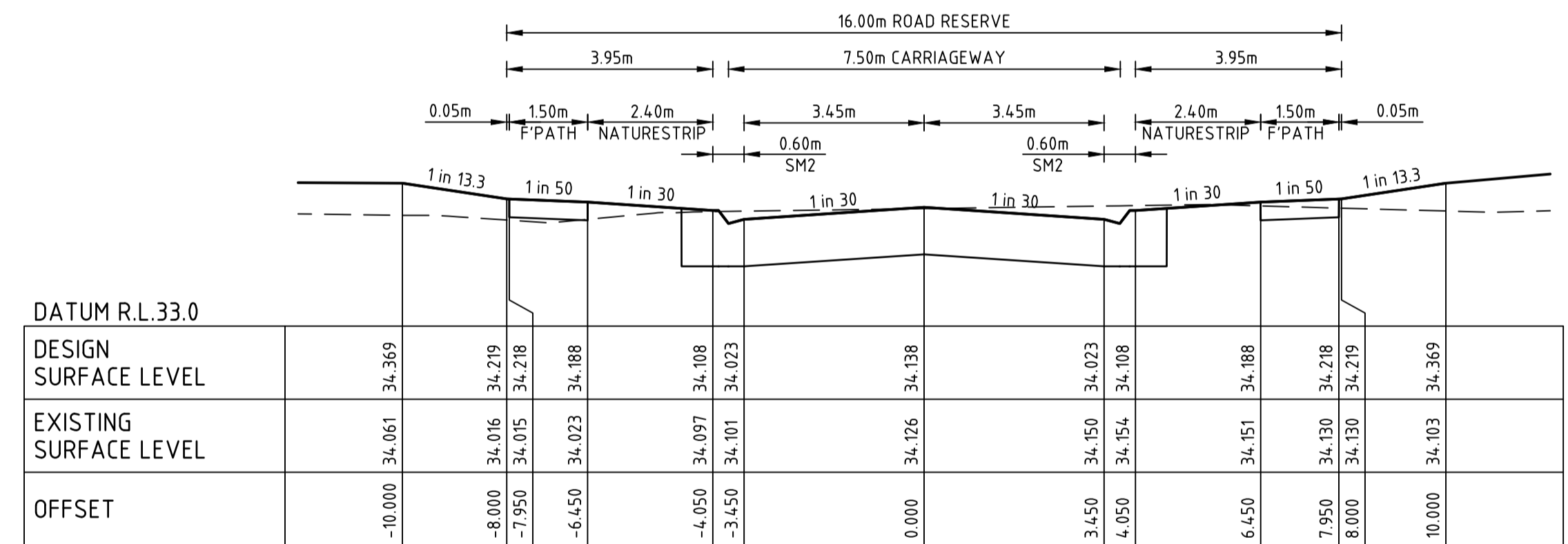
MESSMATE STREET CH 192.51



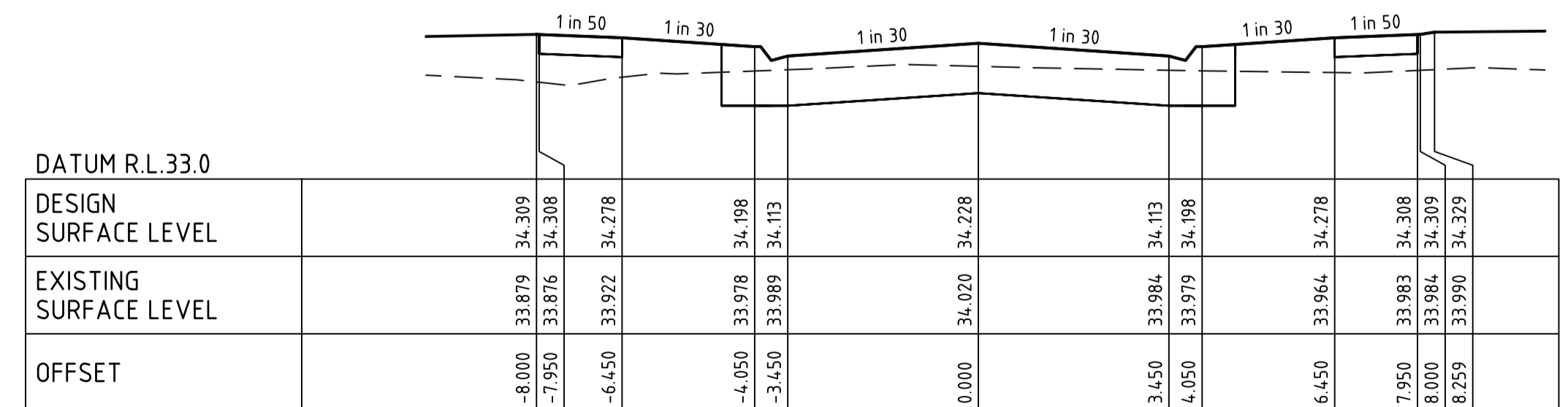
BOOTLACE ROAD CH 209.29



BOOTLACE ROAD CH 195.62



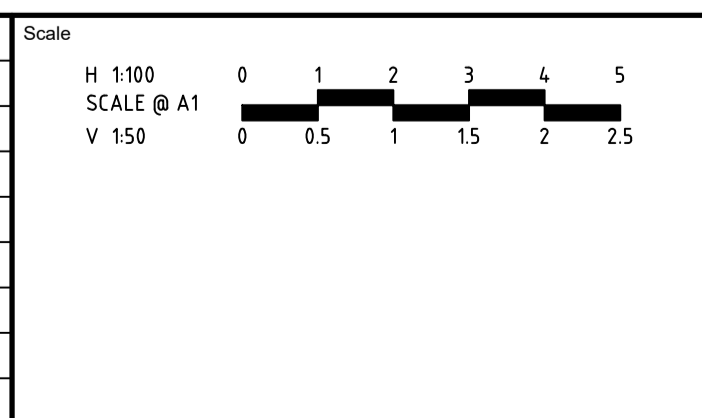
DAISY STREET CH 209.22



DAISY STREET CH 191.15

file name: 309132CR406.dwg, layout name: CD046, plot date: 29/09/2022 09:51 AM, sheet 13 of 22 sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	23/03/22



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16 BRIDGE STREET BENDIGO  
 VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
 spiire.com.au ABN 55 050 029 635

Designed  
 M. WRIGHT  
 Authorised  
 B. WAREHAM

Checked  
 B. IBBS  
 Date  
 29/09/2022

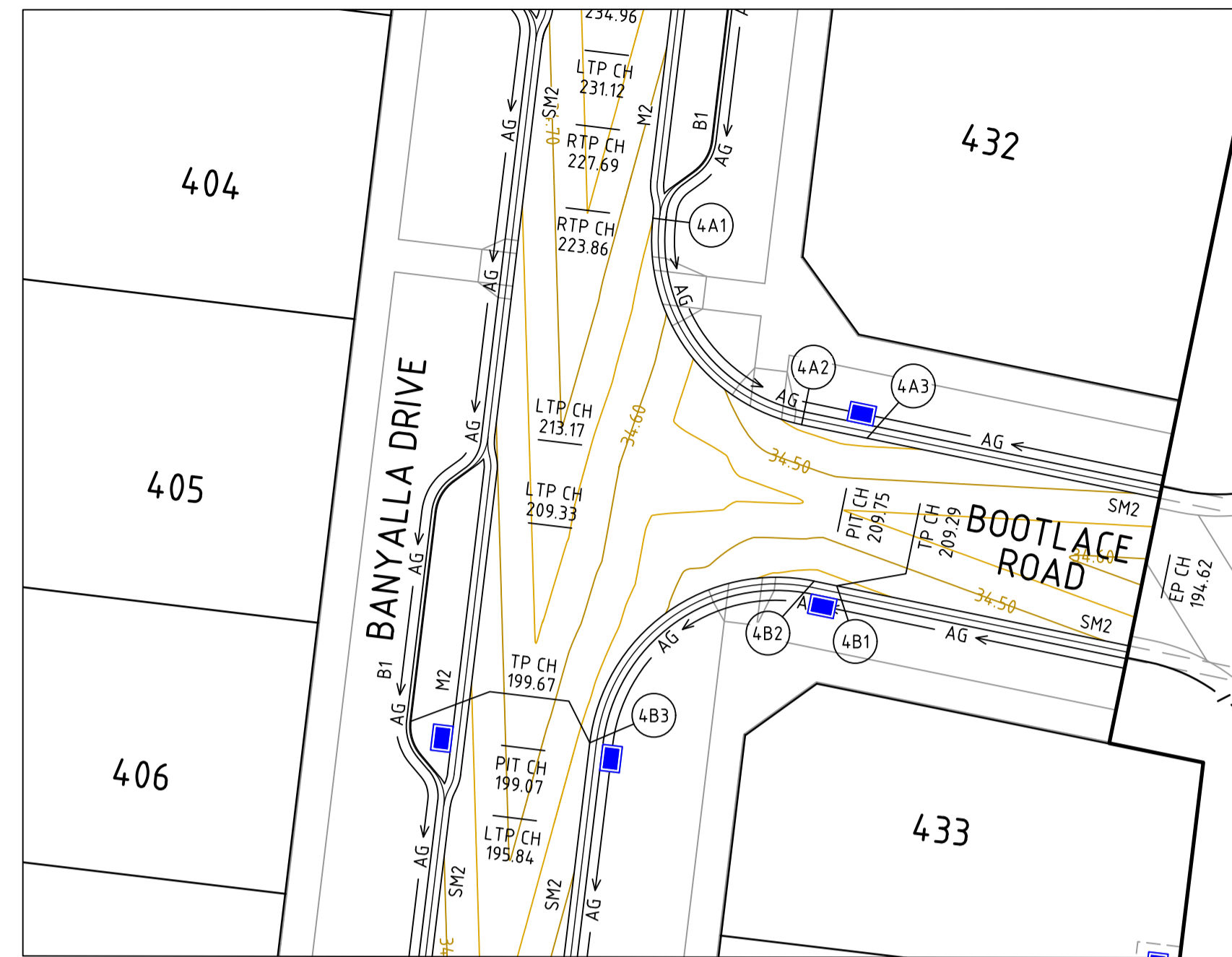
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**STAGE 4**  
**ROAD AND DRAINAGE**  
**ROAD CROSS SECTIONS - SHEET 7**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION**

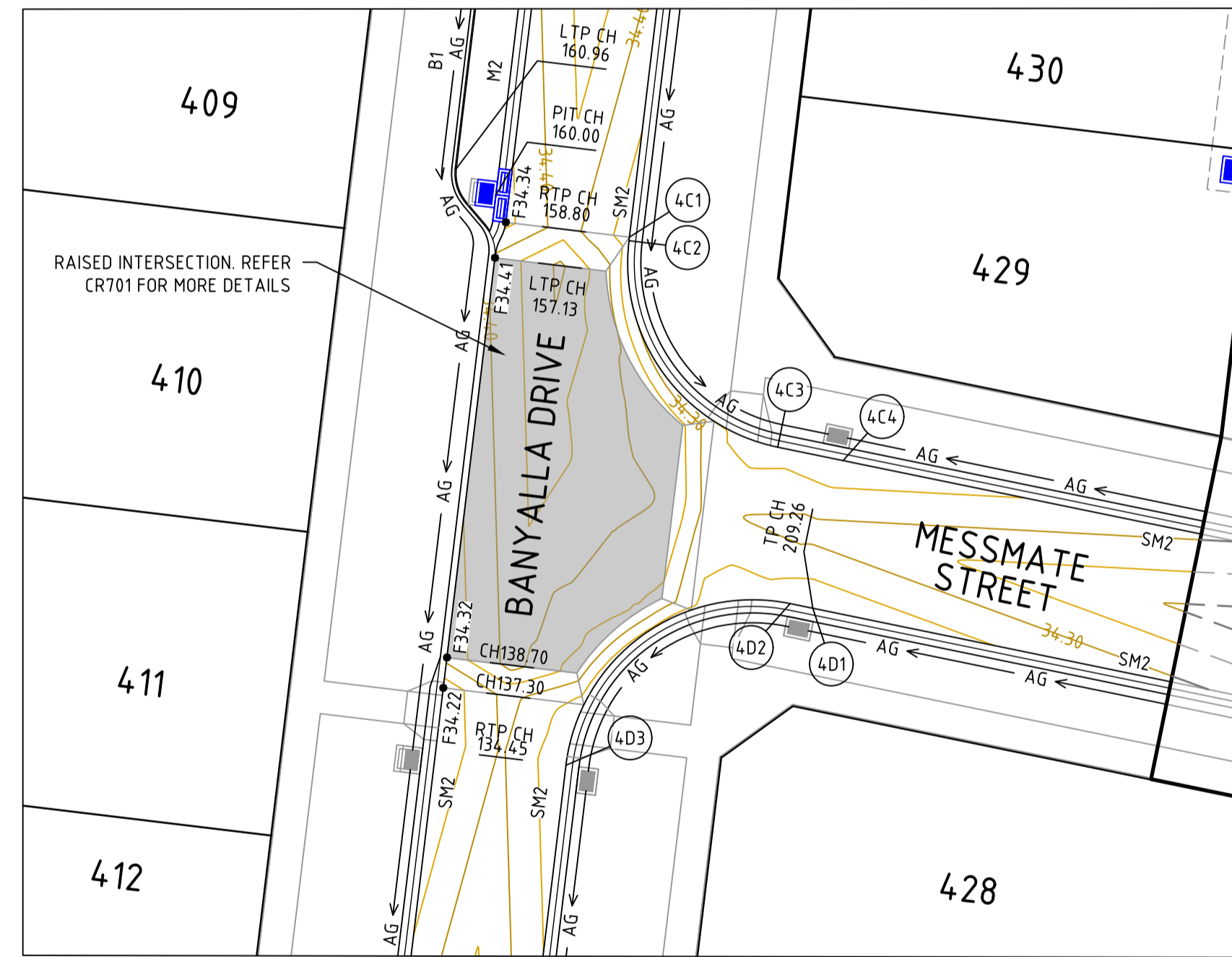
Drg No  
**309132CR406**

Rev  
**0**

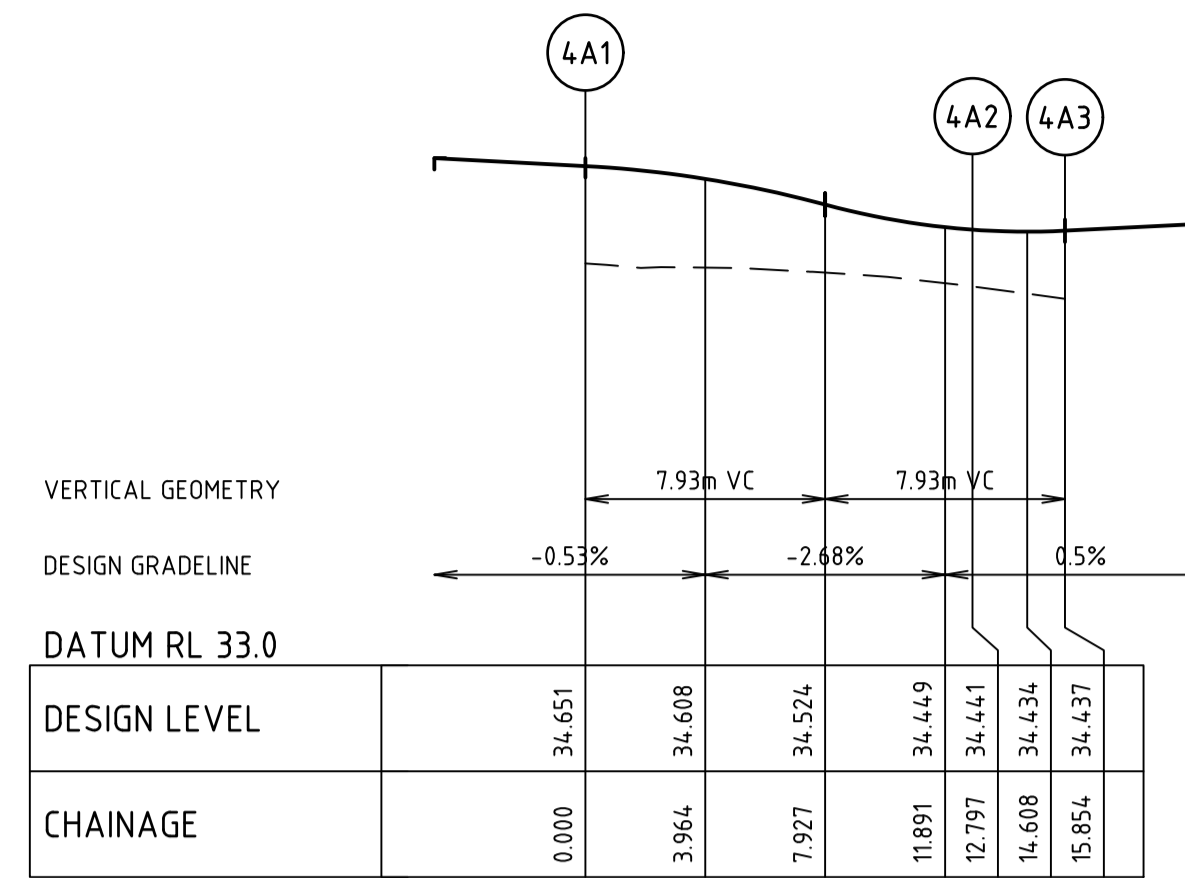




**INTERSECTION DETAIL PLAN**  
INTERSECTION OF BANYALLA DRIVE AND BOOTLACE ROAD



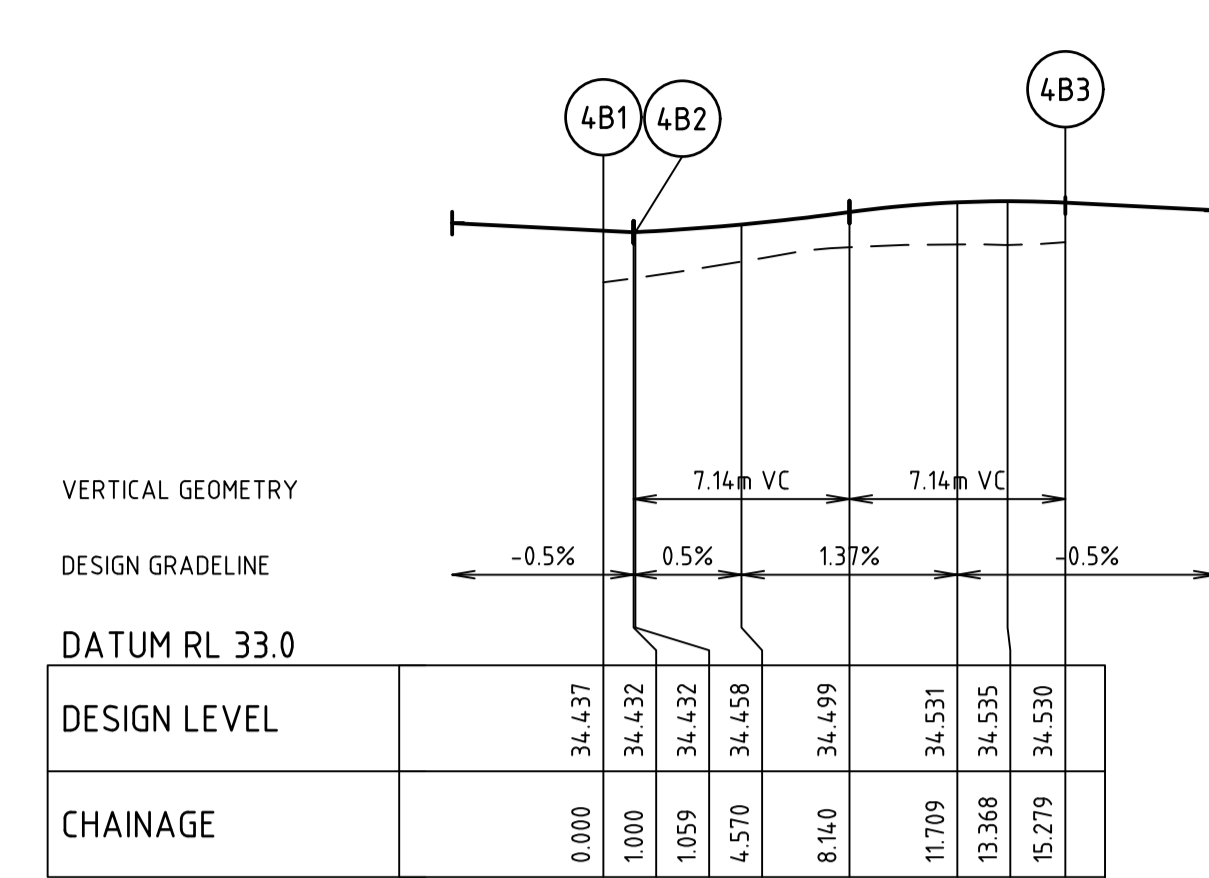
**INTERSECTION DETAIL PLAN**  
INTERSECTION OF BANYALLA DRIVE AND MESSMATE STREET



**ALIGNMENT 4A**

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4A1	359460.414	5785410.208	34.651	0.000
1/4	359460.625	5785407.034	34.620	3.199
1/2	359461.975	5785404.153	34.561	6.399
3/4	359464.280	5785401.961	34.484	9.598
4A2	359467.224	5785400.756	34.441	12.797
4A3	359470.218	5785400.142	34.437	15.854

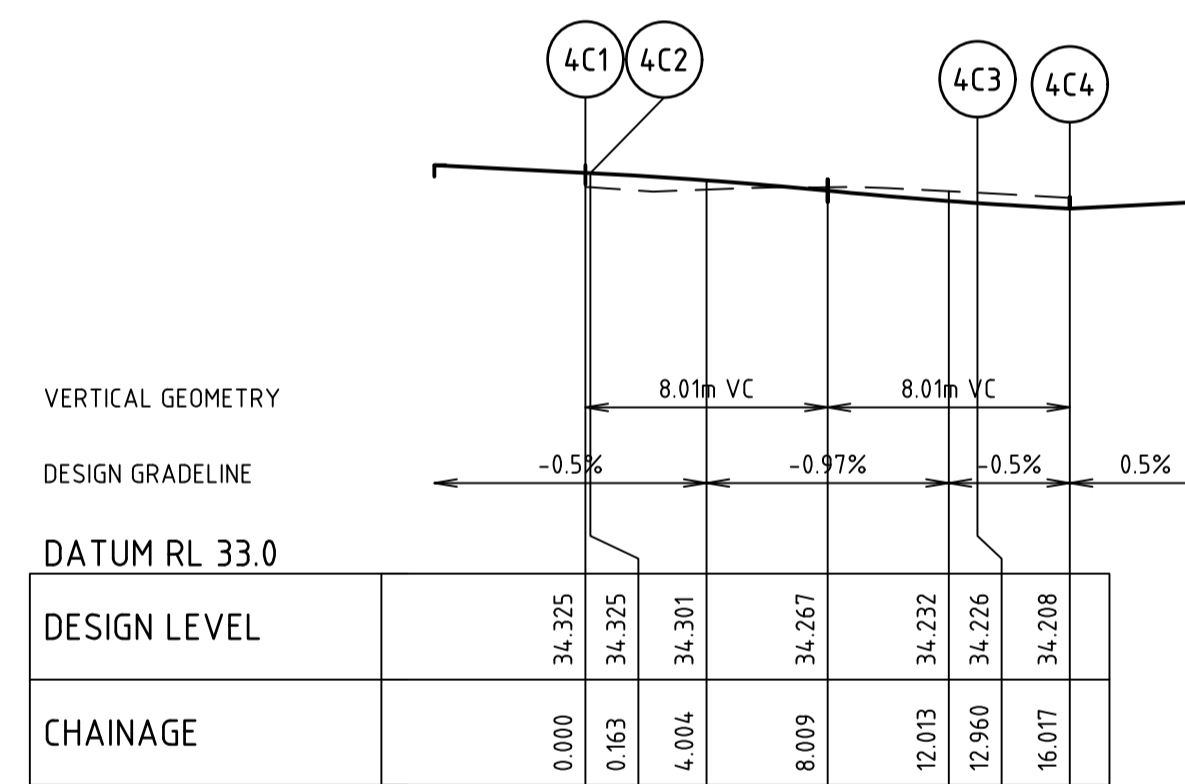
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4A1-4A2	8.600	12.797	11.649	2.273	0.588



**ALIGNMENT 4B**

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4B1	359468.831	5785393.383	34.437	0.000
4B2	359467.794	5785393.595	34.432	1.059
1/4	359464.264	5785393.580	34.458	4.614
1/2	359461.038	5785392.148	34.499	8.169
3/4	359458.658	5785389.541	34.531	11.724
4B3	359457.527	5785386.198	34.530	15.279

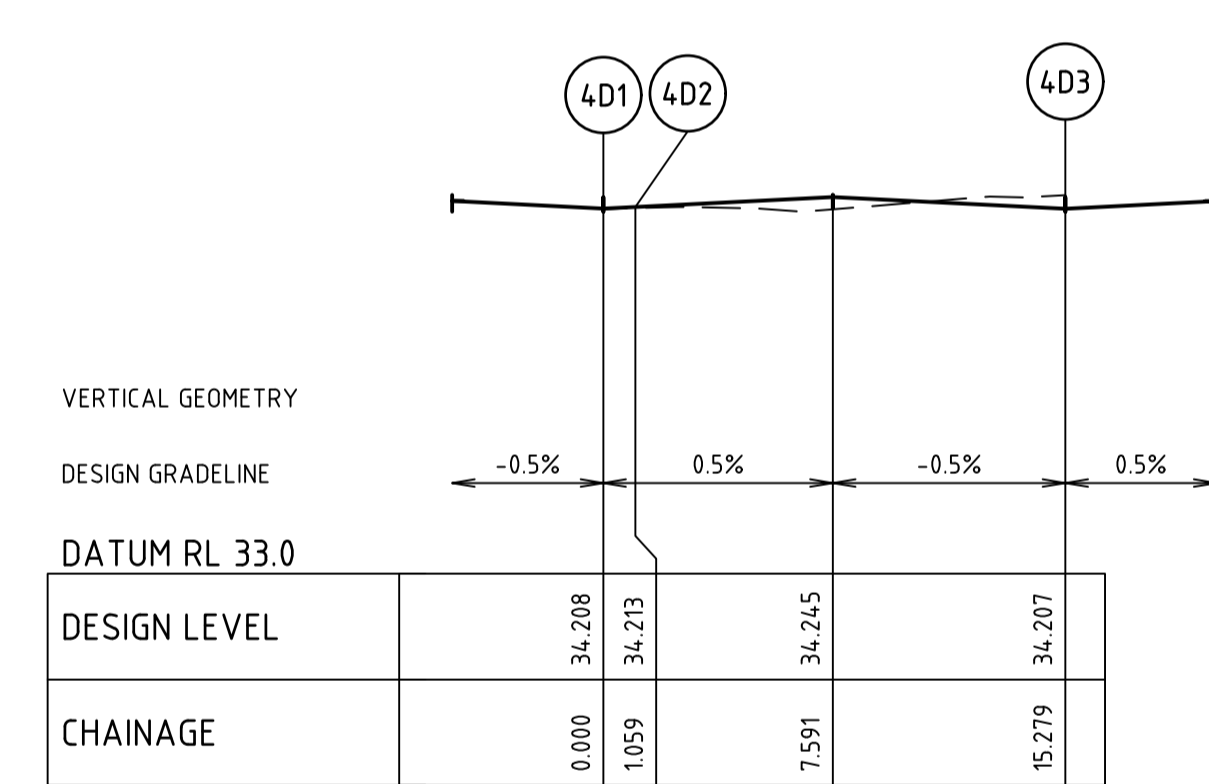
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4B2-4B3	8.600	14.221	12.655	2.776	0.724



**ALIGNMENT 4C**

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4C1	359452.644	5785345.613	34.325	0.000
4C2	359452.627	5785345.451	34.325	0.163
1/4	359452.838	5785342.277	34.305	3.362
1/2	359454.188	5785339.397	34.280	6.562
3/4	359456.493	5785337.204	34.250	9.761
4C3	359459.436	5785336.000	34.226	12.960
4C4	359462.431	5785335.385	34.208	16.017

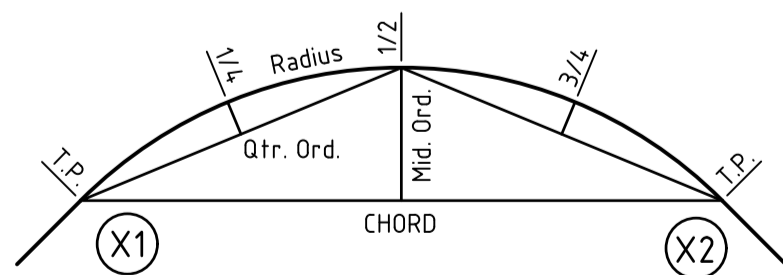
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4C2-4C3	8.600	12.797	11.649	2.273	0.588



**ALIGNMENT 4D**

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4D1	359461.044	5785328.626	34.208	0.000
4D2	359460.007	5785328.839	34.213	1.059
1/4	359456.477	5785328.824	34.231	4.614
1/2	359453.251	5785327.392	34.243	8.169
3/4	359450.871	5785324.785	34.225	11.724
4D3	359449.740	5785321.441	34.207	15.279

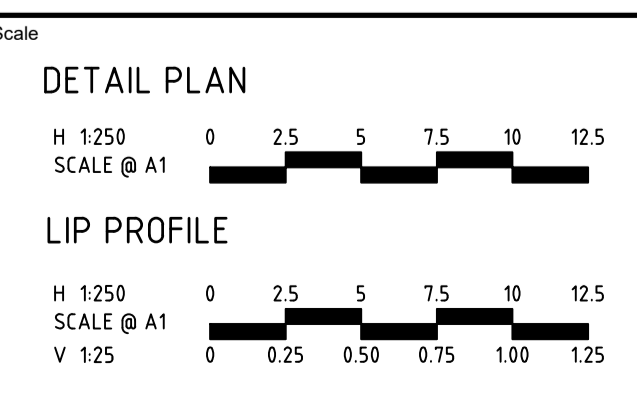
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4D2-4D3	8.600	14.220	12.655	2.776	0.724



**KERB RETURN SETOUT DETAIL**

file name: 309132CR500.dwg; layout name: CR500; plotted by: Survey; S:\shba; file location: G:\309132CR500\309132CR500.dwg; plot date: 29/09/2022 09:57 AM; Sheet 15 of 22 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
B	PARKING BAYS ADDED	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22



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Designed  
**M. WRIGHT**

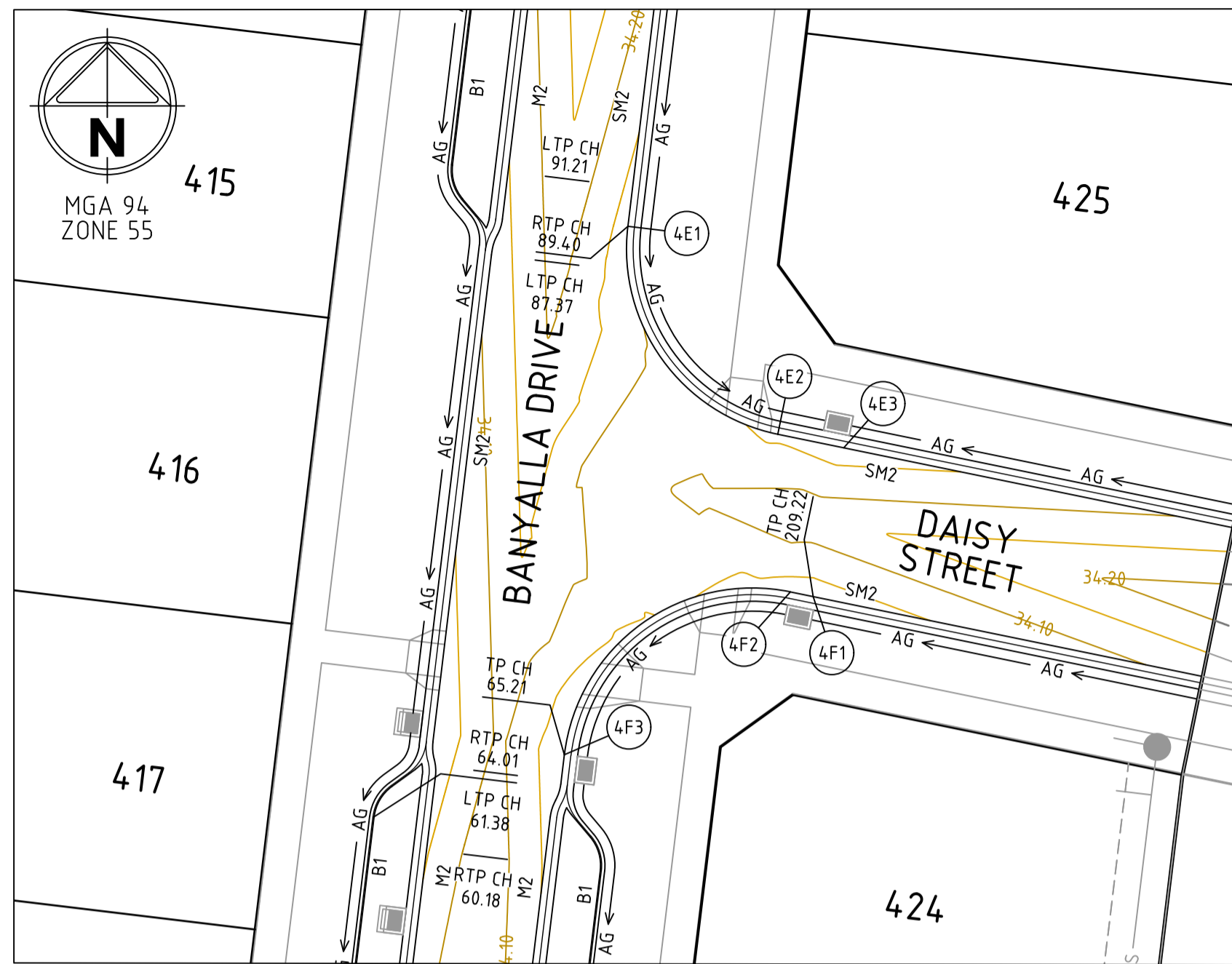
Authorised  
**B. WAREHAM**

Checked  
**B. IBBS**

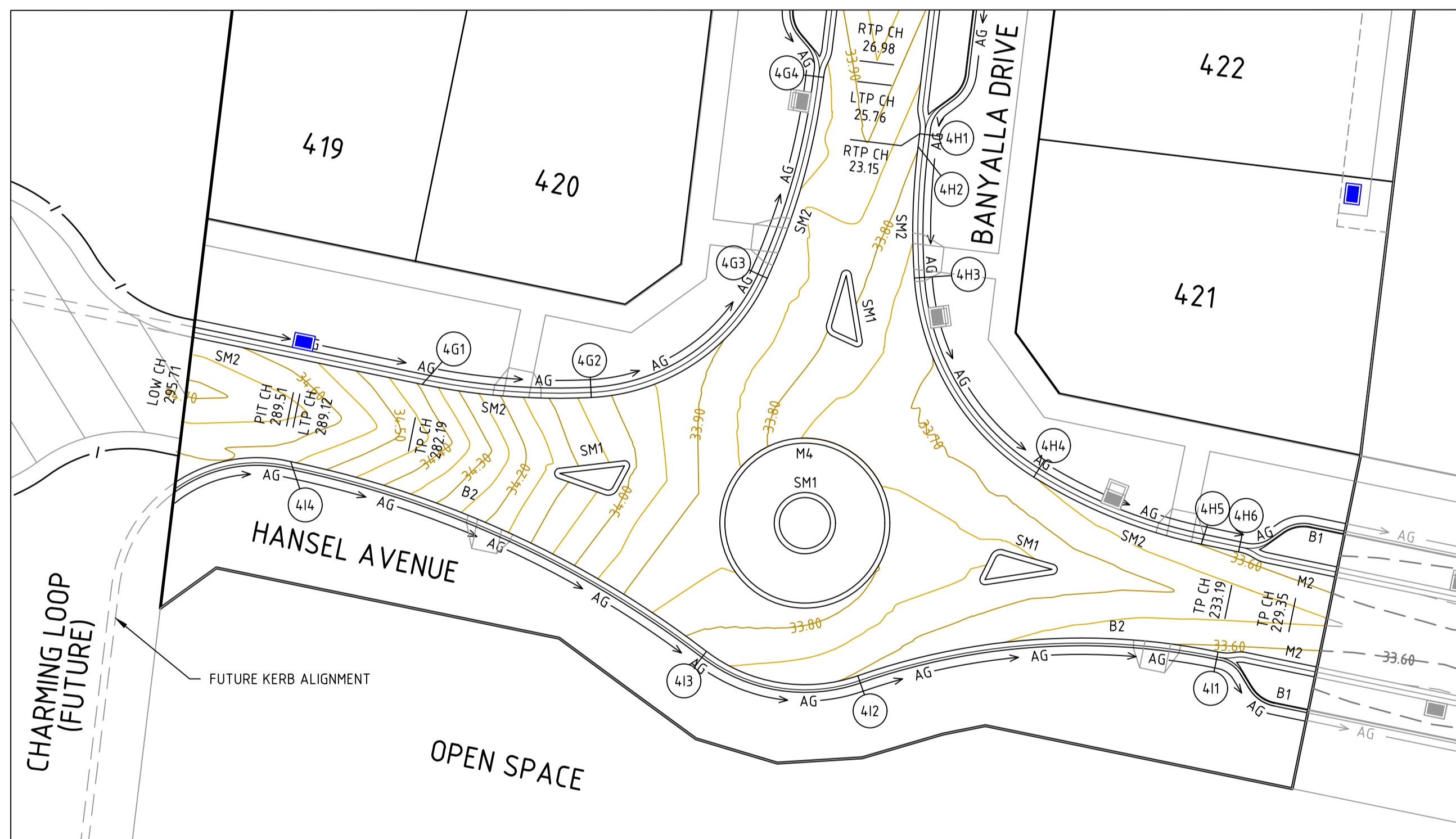
Date  
29/09/2022

**OFFICER CENTRAL  
STAGE 4  
ROAD AND DRAINAGE  
INTERSECTION DETAILS - SHEET 1**  
CARDINIA SHIRE  
YOURLAND PTY LTD

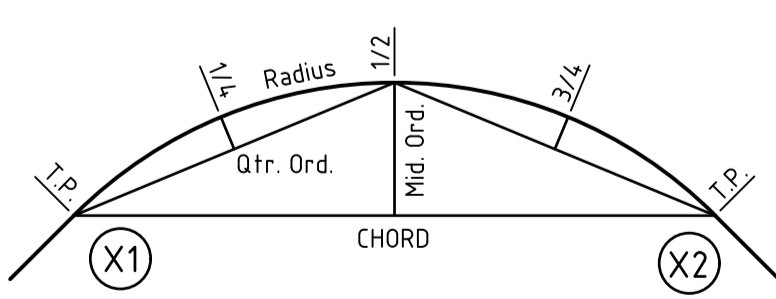
**CONSTRUCTION** Drg No 309132CR500 Rev 0



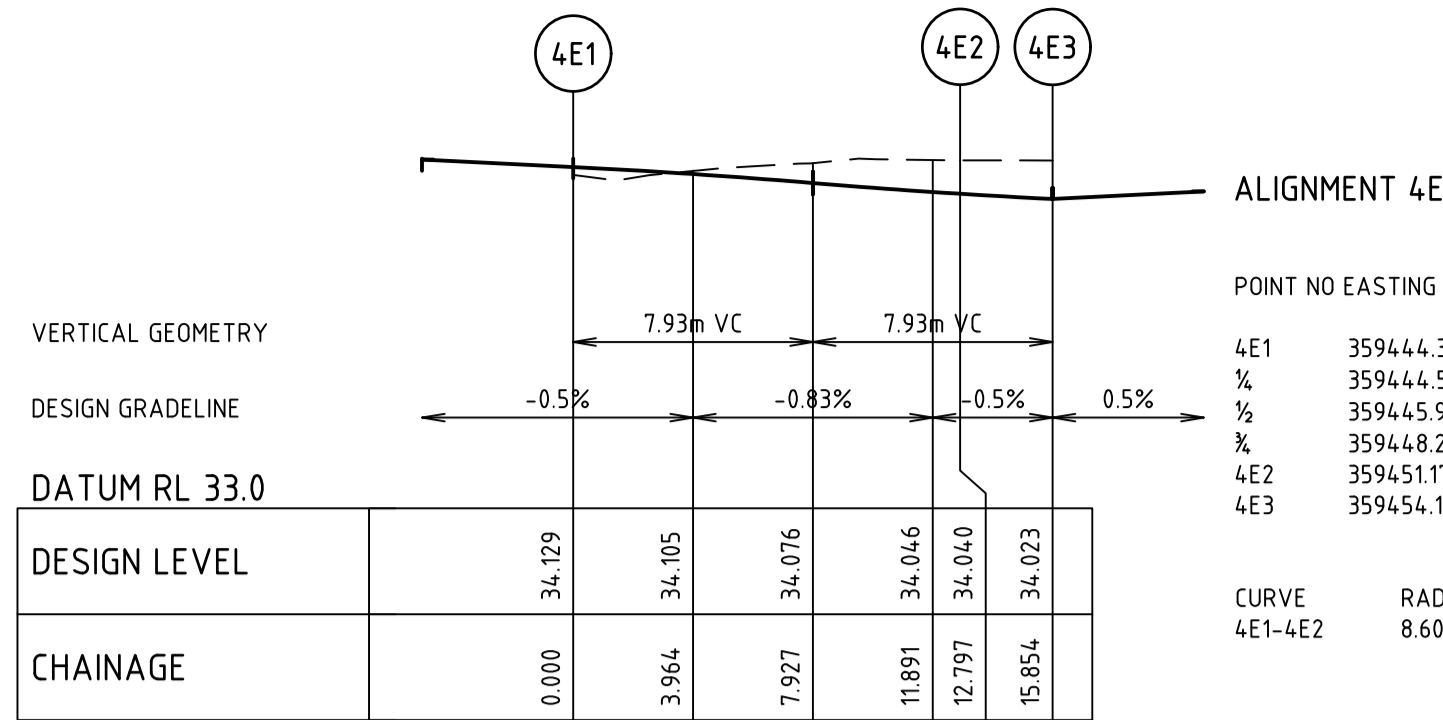
INTERSECTION DETAIL PLAN  
INTERSECTION OF BANYALLA DRIVE AND DAISY STREET



INTERSECTION DETAIL PLAN  
INTERSECTION OF BANYALLA DRIVE AND HANSEL AVENUE



KERB RETURN SETOUT DETAIL



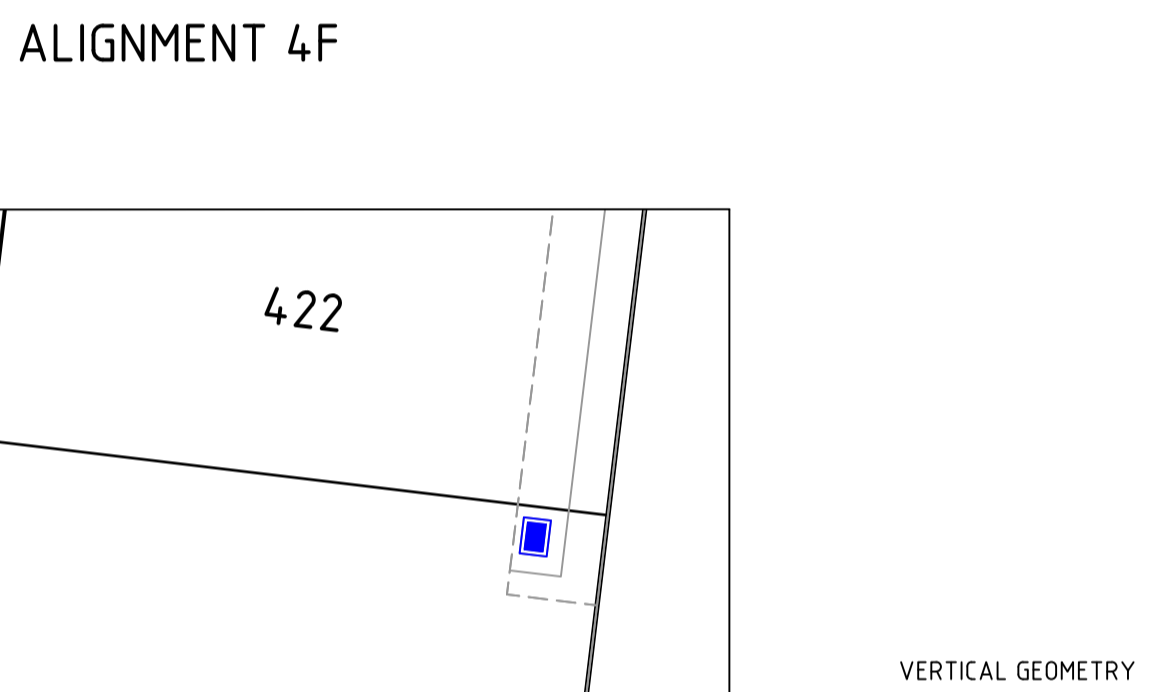
ALIGNMENT 4E

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4E1	359444.361	5785276.709	34.129	0.000
%	359444.571	5785273.535	34.110	3.199
%	359445.922	5785270.655	34.088	6.399
%	359448.226	5785268.463	34.062	9.598
4E2	359451.170	5785267.258	34.040	12.797
4E3	359454.165	5785266.643	34.023	15.854

DESIGN LEVEL	CHAINAGE
34.129	0.000
34.105	3.964
34.076	7.927
34.046	11.891
34.040	15.854

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4E1-4E2	8.600	12.797	11.649	2.273	0.588



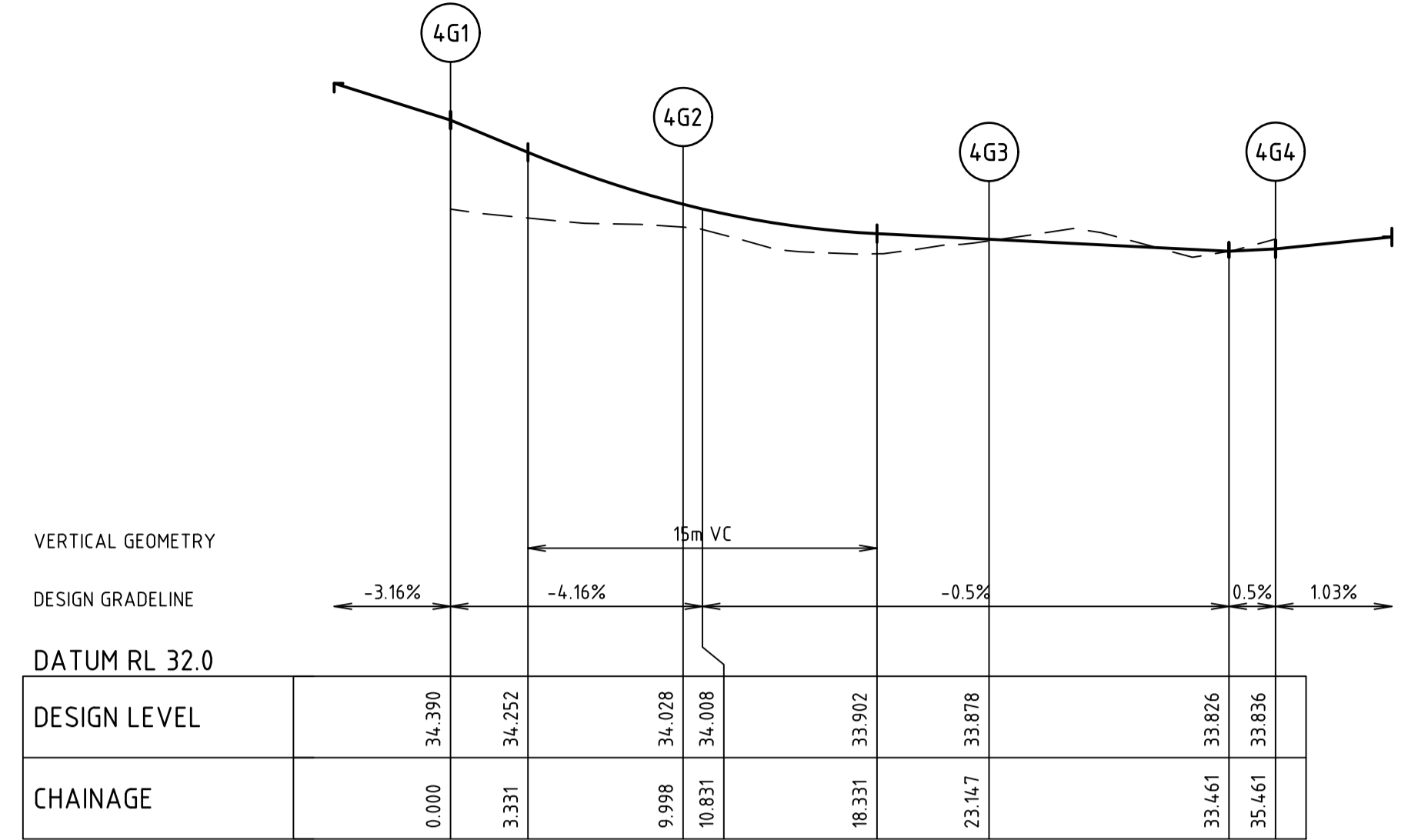
ALIGNMENT 4F

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4F1	359452.778	5785259.884	34.023	0.000
%	359451.741	5785260.097	34.028	1.059
%	359448.211	5785260.082	34.046	4.614
%	359444.985	5785258.650	34.046	8.169
%	359442.605	5785256.043	34.029	11.724
4F3	359441.473	5785252.700	34.011	15.279

DESIGN LEVEL	CHAINAGE
34.023	0.000
34.028	1.059
34.055	6.443
34.011	15.279

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4F2-4F3	8.600	14.220	12.655	2.776	0.724



ALIGNMENT 4G

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4G1	359407.200	5785196.197	34.390	0.000
%	359409.663	5785195.771	34.286	2.500
%	359412.147	5785195.500	34.186	4.999
%	359414.643	5785195.385	34.099	7.499
%	359417.142	5785195.425	34.028	9.998
%	359420.364	5785196.027	33.958	12.285
%	359423.302	5785197.477	33.915	16.573
%	359425.739	5785199.668	33.894	19.860
%	359427.492	5785202.436	33.878	23.147
%	359428.659	5785205.284	33.863	26.225
%	359429.604	5785208.213	33.847	29.304
%	359430.321	5785211.206	33.832	32.383
4G4	359430.806	5785214.246	33.836	35.461

DESIGN LEVEL	CHAINAGE
34.390	0.000
34.252	3.331
34.028	9.998
34.008	10.831
33.902	18.331
33.878	23.147
33.826	33.461
33.836	35.461

ALIGNMENT 4G

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4G1-4G2	4.0000	9.998	9.973	0.312	0.478
4G2-4G3	12.000	13.148	12.500	1.756	0.447
4G3-4G4	4.0000	12.314	12.266	0.473	0.118



ALIGNMENT 4H

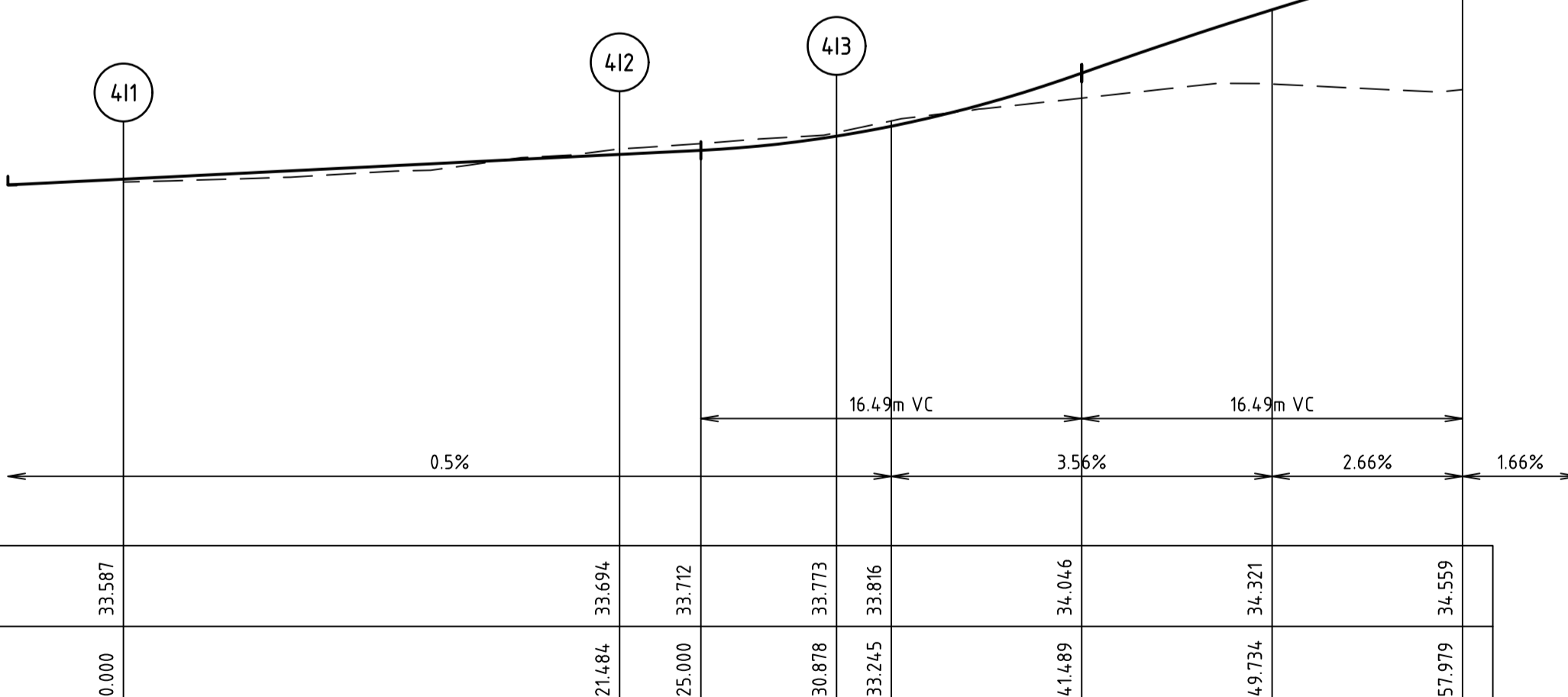
POINT NO	EASTING	NORTHING	RL	CHAINAGE
4H1	359436.450	5785210.934	33.810	0.000
%	359436.359	5785210.170	33.803	0.769
%	359436.164	5785208.245	33.783	2.704
%	359436.061	5785206.313	33.765	4.639
%	359436.052	5785204.378	33.749	6.574
%	359436.137	5785202.445	33.733	8.509
%	359436.791	5785198.971	33.708	12.053
%	359438.240	5785195.747	33.687	15.596
%	359440.403	5785192.951	33.669	19.139
%	359443.161	5785190.739	33.651	22.683
%	359445.483	5785189.429	33.638	25.349
%	359447.911	5785188.331	33.625	28.015
%	359450.428	5785187.453	33.611	30.682
%	359453.013	5785186.802	33.598	33.348
4H6	359455.203	5785186.345	33.587	35.586

DESIGN LEVEL	CHAINAGE
33.810	0.000
33.803	0.769
33.794	1.603
33.733	8.509
33.729	9.103
33.682	16.603
33.651	22.683
33.598	33.348
33.587	35.586

ALIGNMENT 4H

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4H2-4H3	4.0000	7.740	7.728	0.187	0.047
4H3-4H4	15.000	14.173	13.652	1.643	0.417
4H4-4H5	30.000	10.666	10.610	0.473	0.118



ALIGNMENT 4I

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4I1	359453.997	5785180.468	33.587	0.000
%	359448.679	5785181.192	33.614	5.371
%	359443.312	5785181.197	33.640	10.742
%	359437.993	5785180.484	33.667	16.113
%	359432.817	5785179.065	33.694	21.484
%	359430.526	5785178.574	33.706	23.833
%	359428.185	5785178.659	33.719	26.181
%	359425.936	5785179.313	33.741	28.529
%	359423.916	5785180.499	33.773	30.878
%	359418.318	5785184.309	33.923	37.653
%	359412.326	5785187.464	34.148	44.428
%	359406.017	5785189.924	34.366	51.204
4I4	359399.471	5785191.658	34.559	57.979

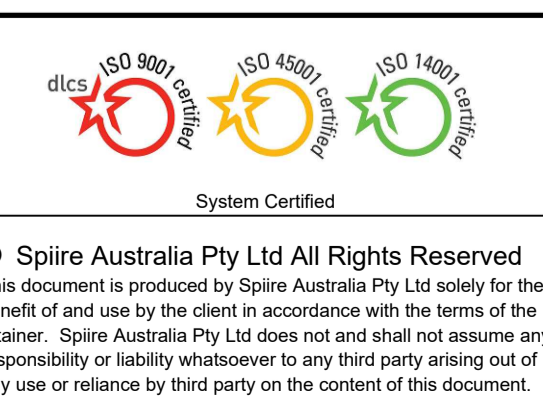
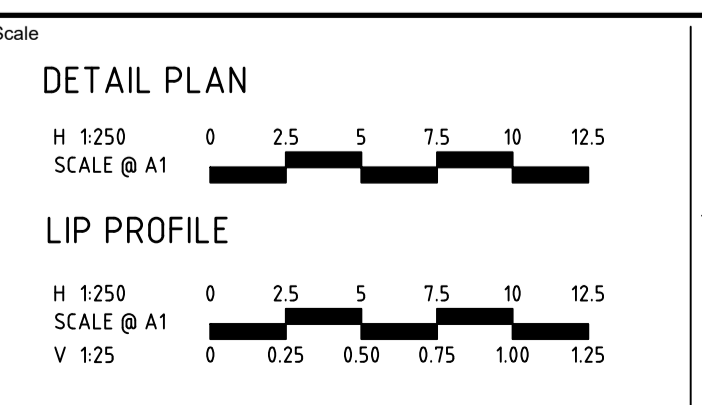
  

DESIGN LEVEL	CHAINAGE
33.587	0.000
33.654	21.484
33.712	25.000
33.773	30.878
33.816	33.245
34.046	41.489
34.321	49.734
34.559	57.979

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4I2-4I3	4.0000	21.484	21.227	1.434	0.360
4I3-4I4	9.500	9.394	9.016	1.138	0.289
4I4-4I5	60.000	27.101	26.872	1.524	0.382

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Rev	Description	By	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	23/03/22
	Amendments	Approved	Date



**spiire**  
16 BRIDGE STREET BENDIGO  
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**YourLand** Developments

Designed: M. WRIGHT  
Authorised: B. WAREHAM

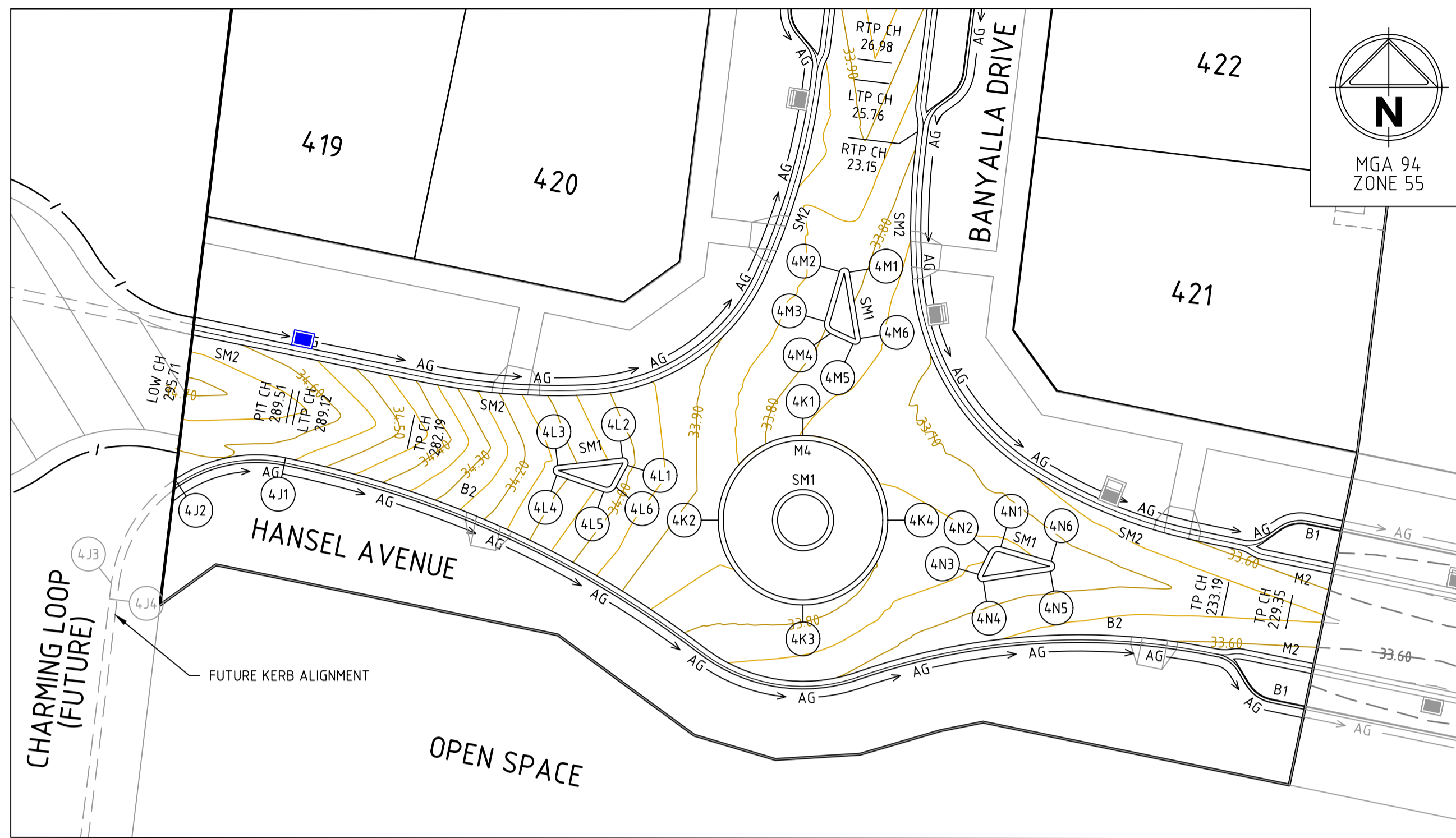
Checked: B. IBBS  
Date: 29/09/2022

**OFFICER CENTRAL  
STAGE 4  
ROAD AND DRAINAGE  
INTERSECTION DETAILS - SHEET 2**  
CARDINIA SHIRE  
YOURLAND PTY LTD

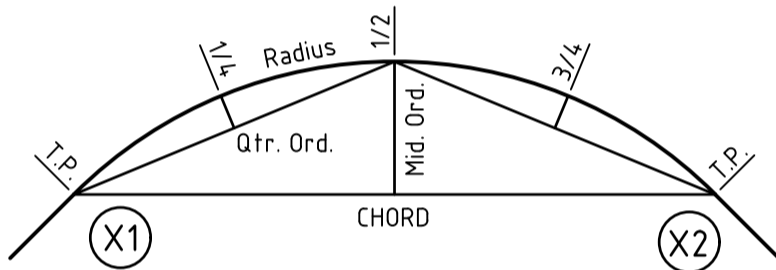
**CONSTRUCTION** 309132CR501

Rev 0

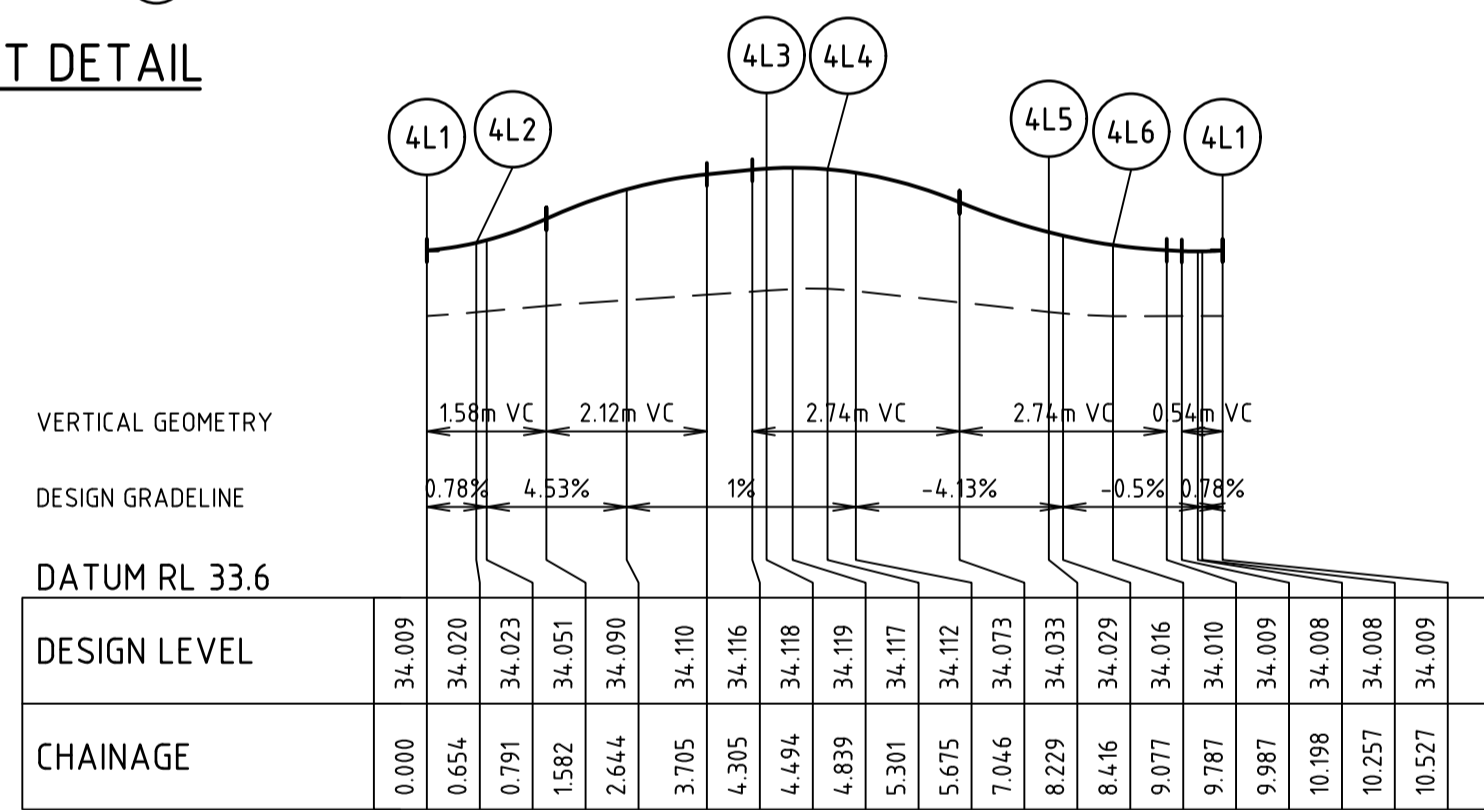




INTERSECTION DETAIL PLAN  
INTERSECTION OF BANYALLA DRIVE AND HANSEL AVENUE



KERB RETURN SETOUT DETAIL



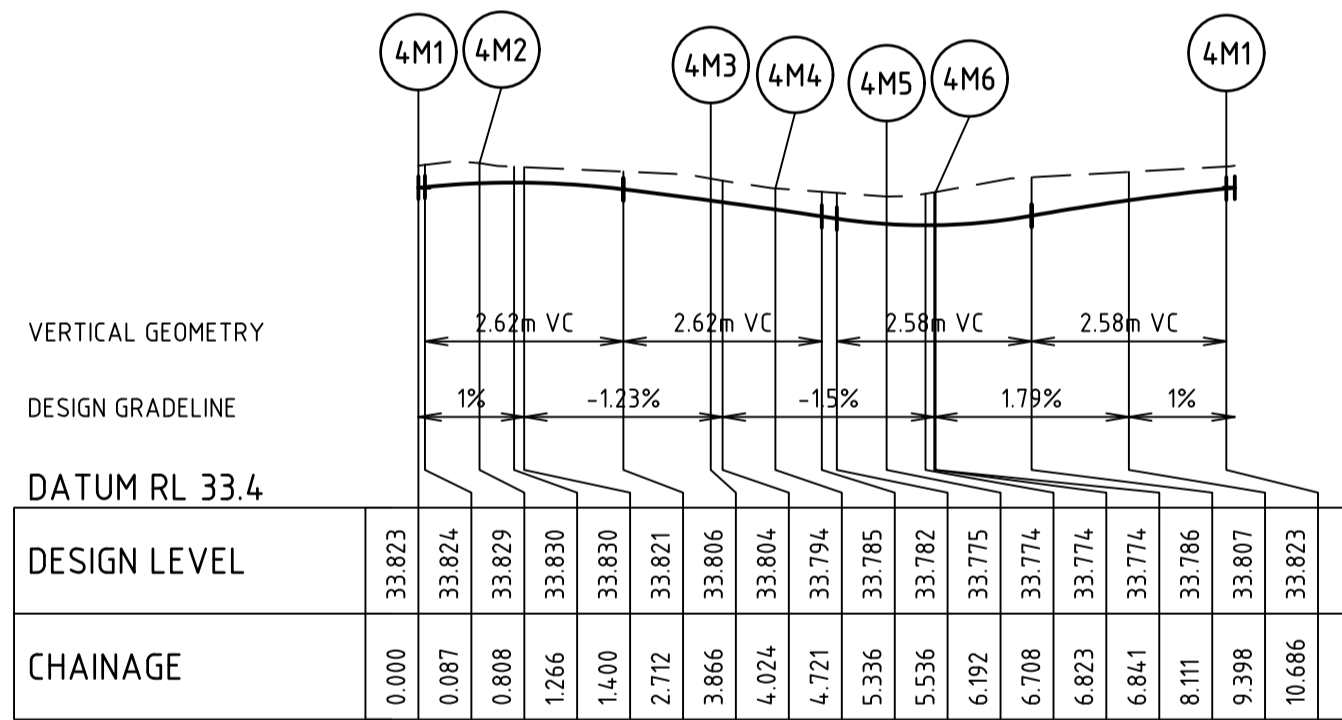
ALIGNMENT 4L

ALIGNMENT 4L

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4L9	359419.360	5785191.264	34.009	0.000
4L1	359419.360	5785191.264	34.009	0.000
4L2	359419.345	5785191.575	34.013	0.327
4L3	359419.062	5785191.705	34.020	0.654
4L4	359415.248	5785191.263	34.118	4.494
4L5	359415.984	5785190.998	34.119	4.898
4L6	359415.182	5785190.682	34.117	5.301
4L7	359417.944	5785189.708	34.033	8.229
4L8	359418.671	5785189.989	34.016	9.077

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4L1-4L2	0.300	0.654	0.532	0.161	0.044
4L3-4L4	0.300	0.806	0.585	0.232	0.065
4L5-4L6	0.600	0.849	0.780	0.144	0.037



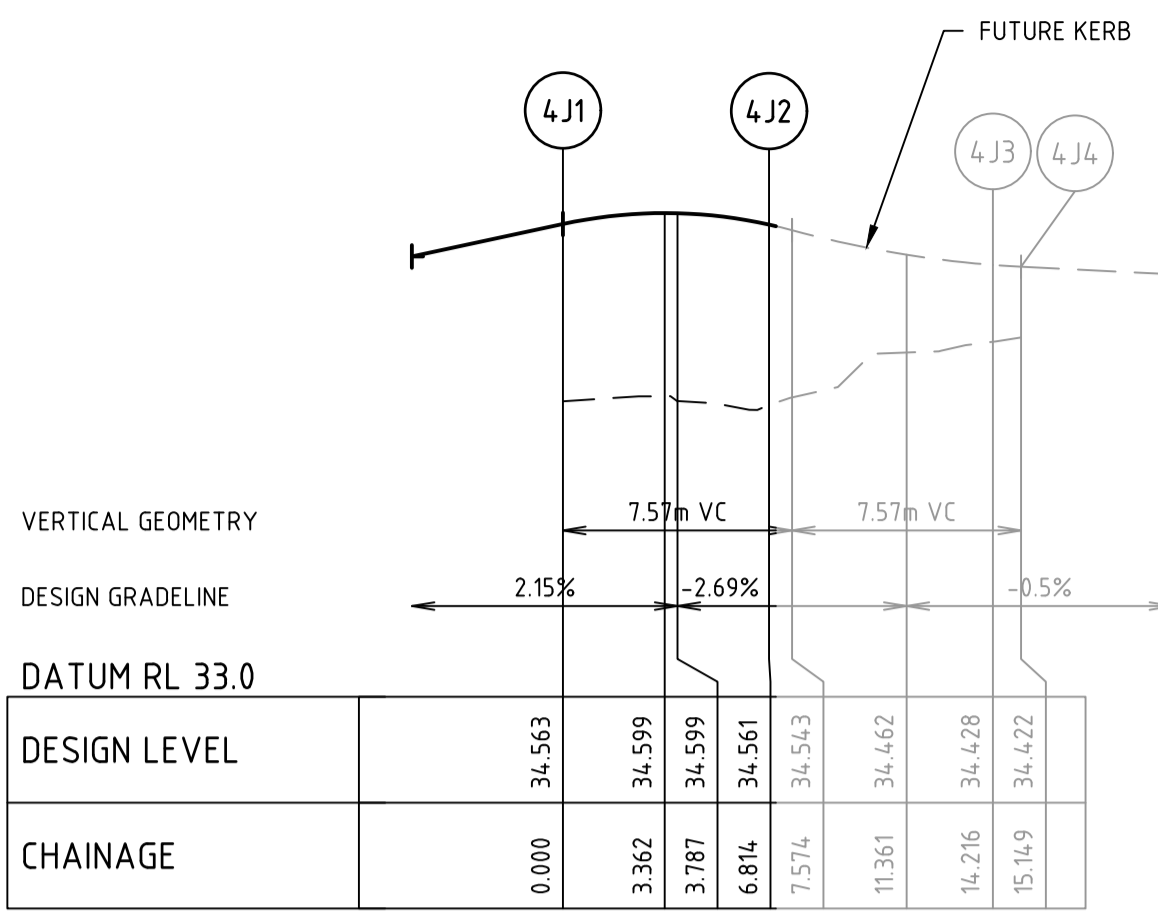
ALIGNMENT 4M

ALIGNMENT 4M

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4M1	359432.430	5785202.655	33.823	0.000
4M2	359431.846	5785202.691	33.829	0.808
4M3	359430.988	5785199.756	33.806	3.866
4M4	359431.314	5785199.042	33.794	4.721
4M5	359432.651	5785198.429	33.775	6.192
4M6	359433.073	5785198.751	33.774	6.841

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4M1-4M2	0.300	0.808	0.585	0.233	0.066
4M3-4M4	0.600	0.855	0.785	0.146	0.038
4M5-4M6	0.300	0.649	0.530	0.159	0.043



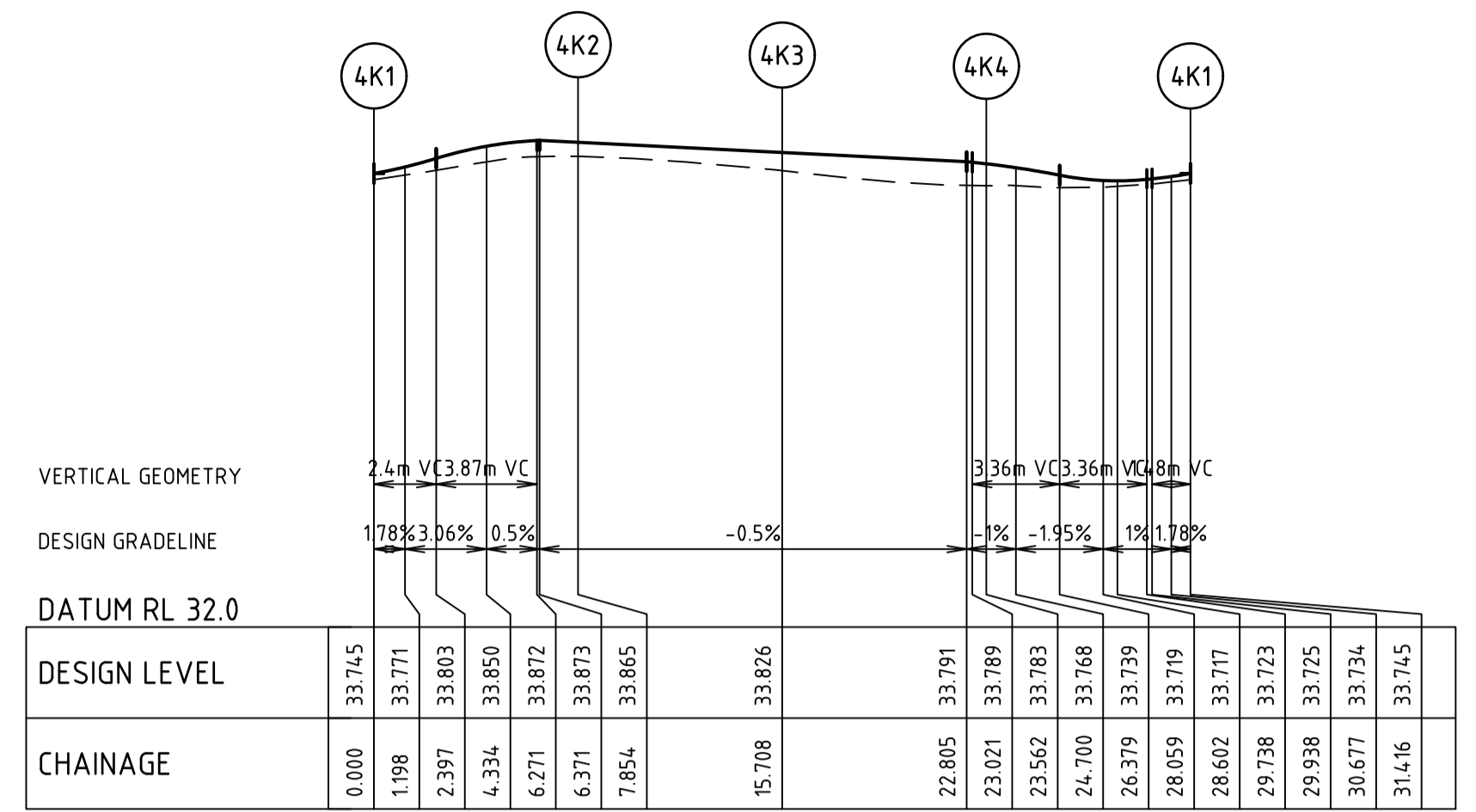
ALIGNMENT 4J

ALIGNMENT 4J

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4J1	359399.204	5785191.713	34.563	0.000
4J2	359395.819	5785191.727	34.599	3.407
4J3	359394.191	5785191.236	34.590	5.111
4J4	359392.691	5785190.435	34.561	6.814
4J5	359391.275	5785189.248	34.515	8.665
4J6	359390.146	5785187.787	34.476	10.515
4J7	359389.354	5785186.119	34.447	12.365
4J8	359388.937	5785184.319	34.428	14.216
4J9	359388.825	5785183.393	34.422	15.149

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4J1-4J2	8.600	6.814	6.637	0.666	0.168
4J2-4J3	8.600	7.402	7.175	0.784	0.198



ALIGNMENT 4K

ALIGNMENT 4K

POINT NO	EASTING	NORTHING	RL	CHAINAGE
4K1	359433.232	5785184.502	33.807	-1.963
4K2	359429.696	5785193.038	33.745	0.000
4K3	359427.783	5785192.657	33.791	1.963
4K4	359426.161	5785191.573	33.843	3.927
4K5	359425.077	5785189.951	33.870	5.890
4K6	359424.696	5785188.038	33.865	7.854
4K7	359425.077	5785186.124	33.856	9.817
4K8	359426.161	5785184.502	33.846	11.781
4K9	359427.783	5785183.418	33.836	13.744
4K10	359429.696	5785183.038	33.826	15.708
4K11	359431.610	5785183.418	33.816	17.671
4K12	359433.232	5785184.502	33.807	19.635
4K13	359434.316	5785186.124	33.797	21.598
4K14	359434.696	5785188.038	33.783	23.562
4K15	359434.316	5785189.951	33.755	25.525

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4K1-4K2	5.000	7.854	7.071	1.464	0.381
4K2-4K3	5.000	7.854	7.071	1.464	0.381
4K3-4K4	5.000	7.854	7.071	1.464	0.381
4K4-4K5	5.000	23.562	7.071	8.536	3.087

ALIGNMENT 4N

ALIGNMENT 4N

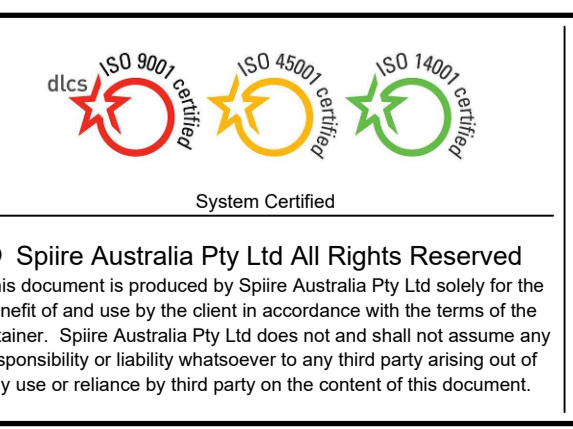
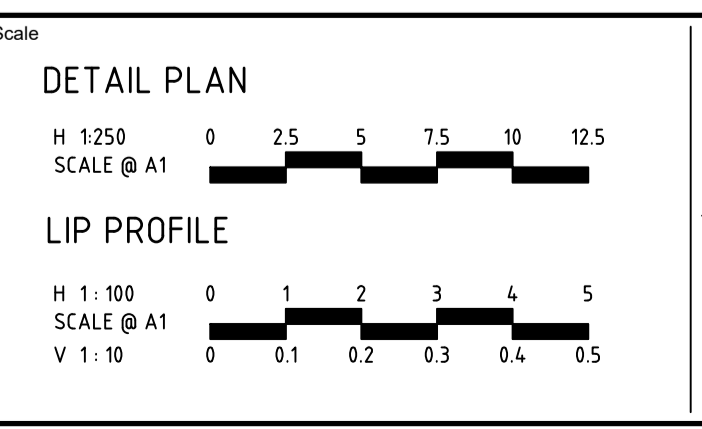
POINT NO	EASTING	NORTHING	RL	CHAINAGE
4N1	359441.362	5785186.461	33.763	0.000
4N2	359440.658	5785186.150	33.756	0.837
4N3	359440.018	5785184.849	33.742	2.286
4N4	359440.333	5785184.420	33.737	2.940
4N5	359444.284	5785185.025	33.735	6.937
4N6	359444.322	5785185.609	33.740	7.750

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
4N1-4N2	0.600	0.837	0.770	0.140	0.036
4N3-4N4	0.300	0.654	0.532	0.161	0.043
4N5-4N6	0.300	0.813	0.586	0.236	0.066

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Rev	Description	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
C	AMENDED ALIGNMENT 4L	B.W	25/07/22
B	AMENDED ROUNDABOUT	B.W	01/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22
Rev	Amendments	Approved	Date



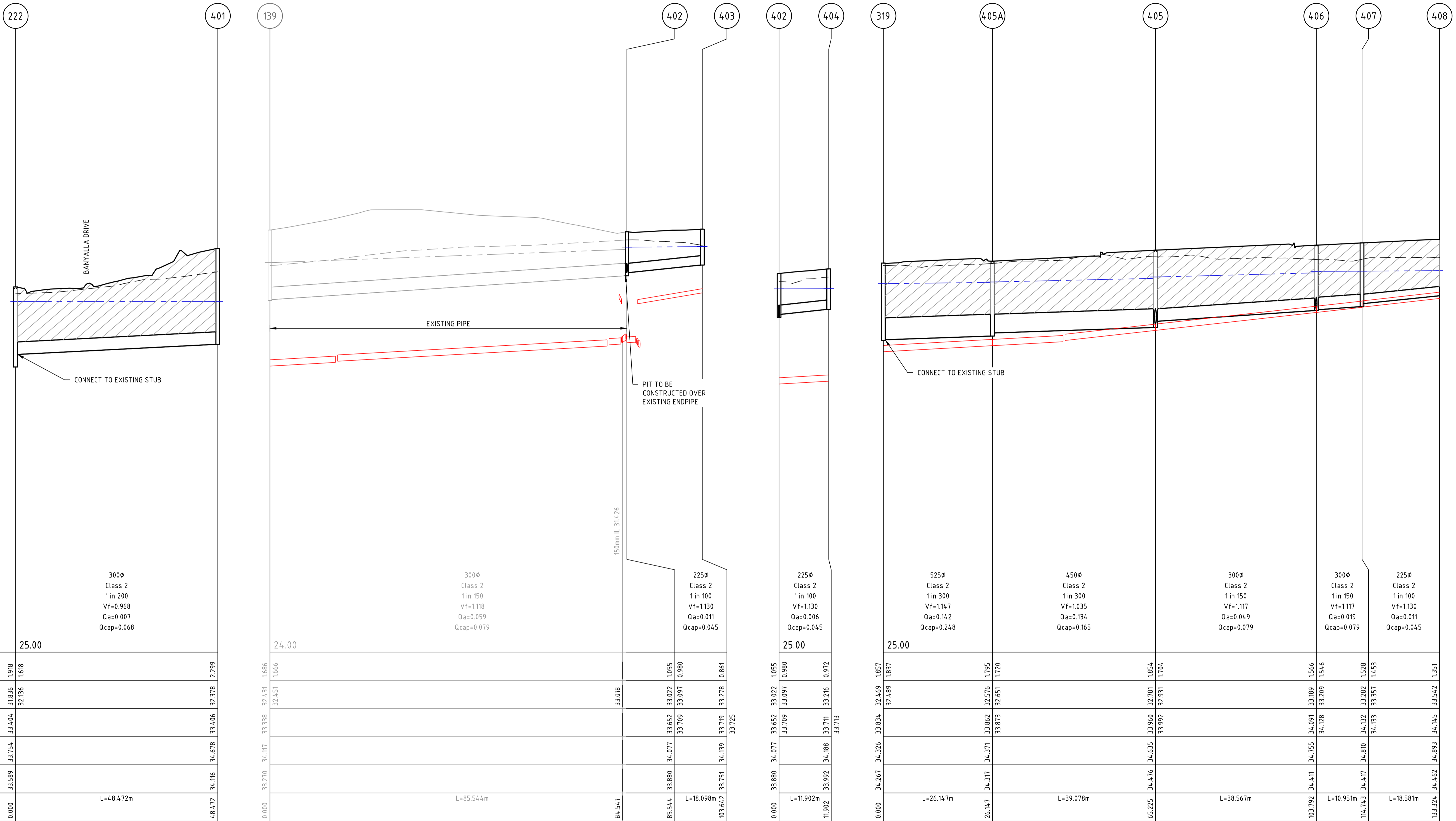
**spiire**  
16 BRIDGE STREET BENDIGO  
VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
spiire.com.au ABN 55 050 029 635

**YourLand** Developments

Designed: M. WRIGHT  
Checked: B. IBBS  
Authorised: B. WAREHAM  
Date: 29/09/2022

**OFFICER CENTRAL**  
**STAGE 4**  
**ROAD AND DRAINAGE**  
**INTERSECTION DETAILS - SHEET 3**  
CARDINIA SHIRE  
YOURLAND PTY LTD

**CONSTRUCTION** 309132CR502



Pipe Diameter	300φ
Pipe Class	Class 2
Pipe Grade	1 in 200
Velocity (m/s)	Vf=0.968
Pipe Flow (m <sup>3</sup> /s)	Qa=0.007
Pipe Capacity (m <sup>3</sup> /s)	Qcap=0.068

DATUM RL	25.00
DEPTH TO INVERT	1.686
DESIGN INVERT LEVEL	32.316
HYDRAULIC GRADE LEVEL	33.406
FINISHED SURFACE LEVEL	34.678
EXISTING SURFACE LEVEL	34.116
CHAINAGE	L=48.472m

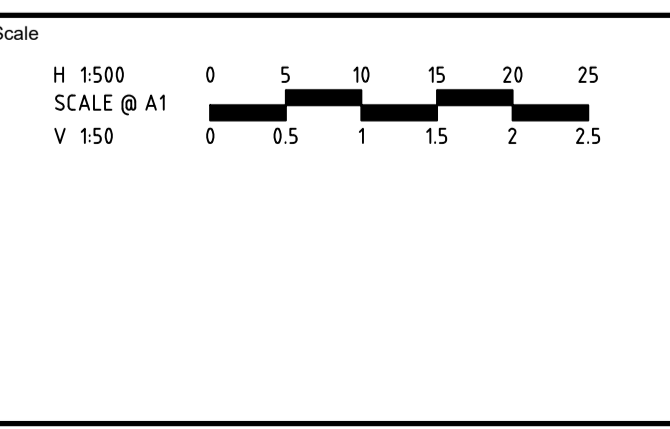
DATUM RL	24.00
DEPTH TO INVERT	1.666
DESIGN INVERT LEVEL	32.334
HYDRAULIC GRADE LEVEL	33.424
FINISHED SURFACE LEVEL	34.696
EXISTING SURFACE LEVEL	34.134
CHAINAGE	L=85.544m

DATUM RL	25.00
DEPTH TO INVERT	1.055
DESIGN INVERT LEVEL	33.945
HYDRAULIC GRADE LEVEL	35.035
FINISHED SURFACE LEVEL	36.307
EXISTING SURFACE LEVEL	35.747
CHAINAGE	L=11.902m

DATUM RL	25.00
DEPTH TO INVERT	1.857
DESIGN INVERT LEVEL	33.143
HYDRAULIC GRADE LEVEL	34.233
FINISHED SURFACE LEVEL	35.505
EXISTING SURFACE LEVEL	34.945
CHAINAGE	L=26.147m

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Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	23/03/22



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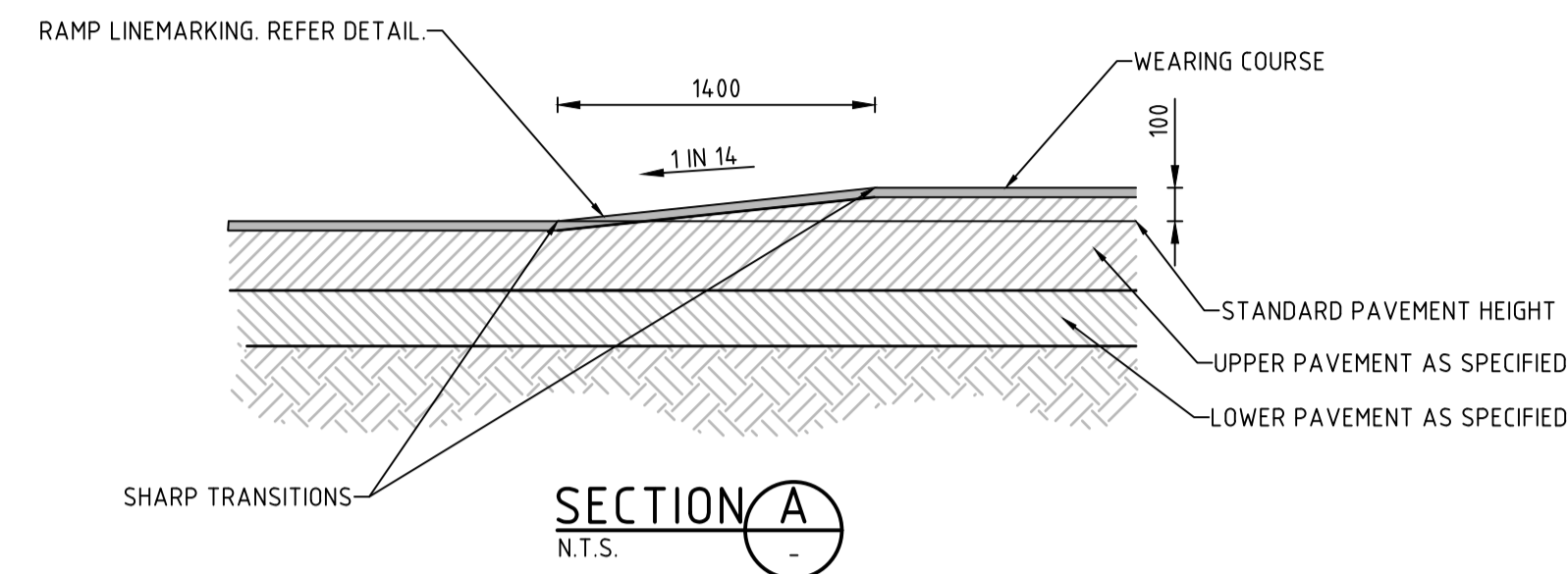
16 BRIDGE STREET BENDIGO
   
 VICTORIA 3550 AUSTRALIA T 61 3 5448 2500
   
 spiire.com.au ABN 55 050 029 635

Designed: M. WRIGHT
   
 Authorised: B. WAREHAM
   
 Checked: B. IBBS
   
 Date: 29/09/2022

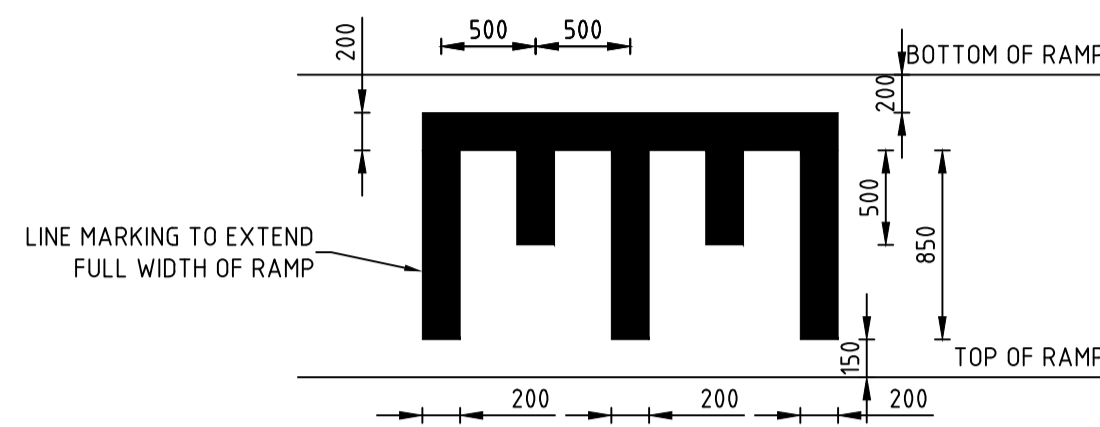
**OFFICER CENTRAL**
  
**STAGE 4**
  
**ROAD AND DRAINAGE**
  
**DRAINAGE LONG SECTIONS - SHEET 1**
  
 CARDINIA SHIRE
   
 YOURLAND PTY LTD
   
**CONSTRUCTION**
  
 Drg No: 309132CR600
   
 Rev: 0



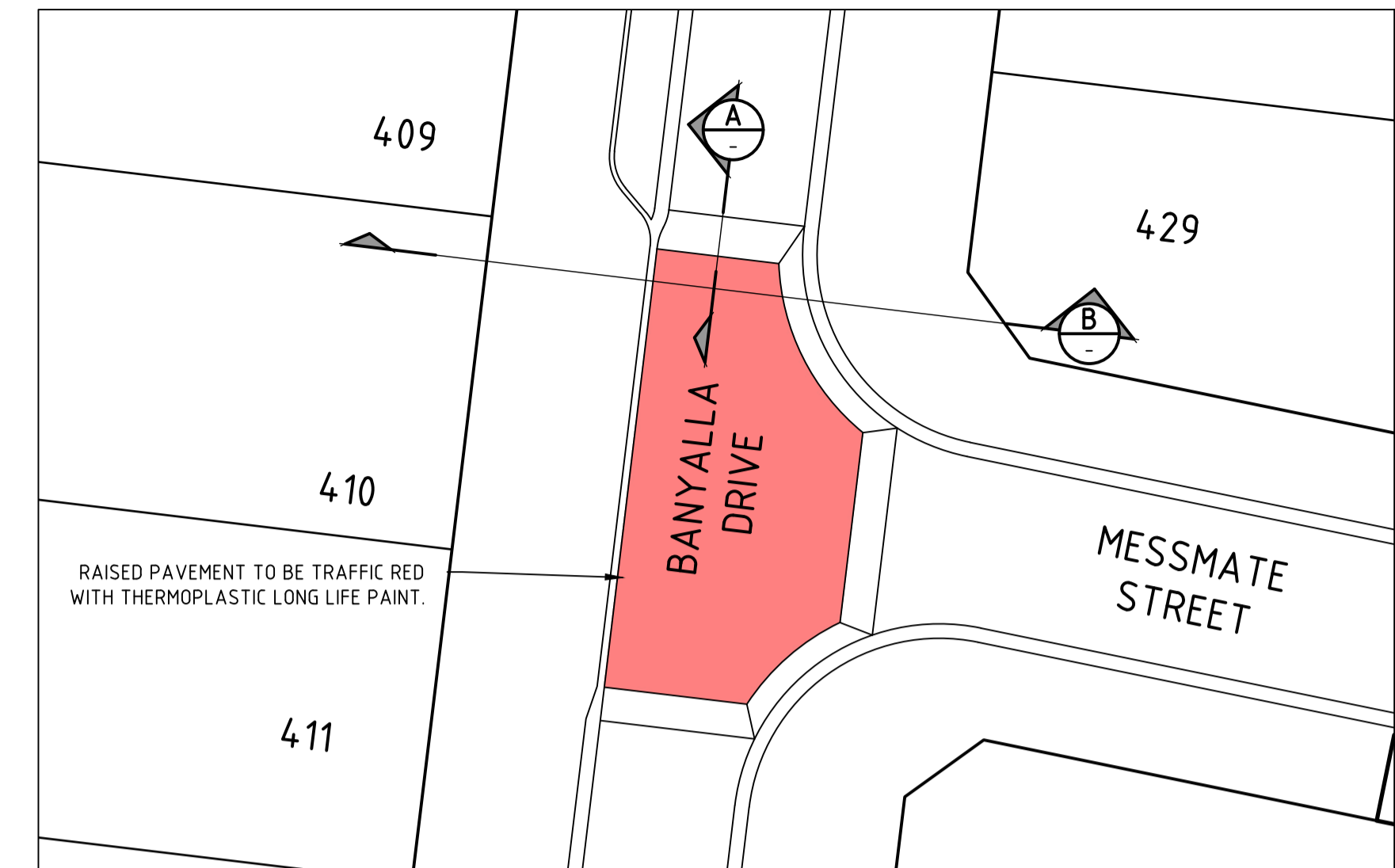




**SECTION A**  
N.T.S.  
**RAISED PAVEMENT DETAILS**  
NOT TO SCALE

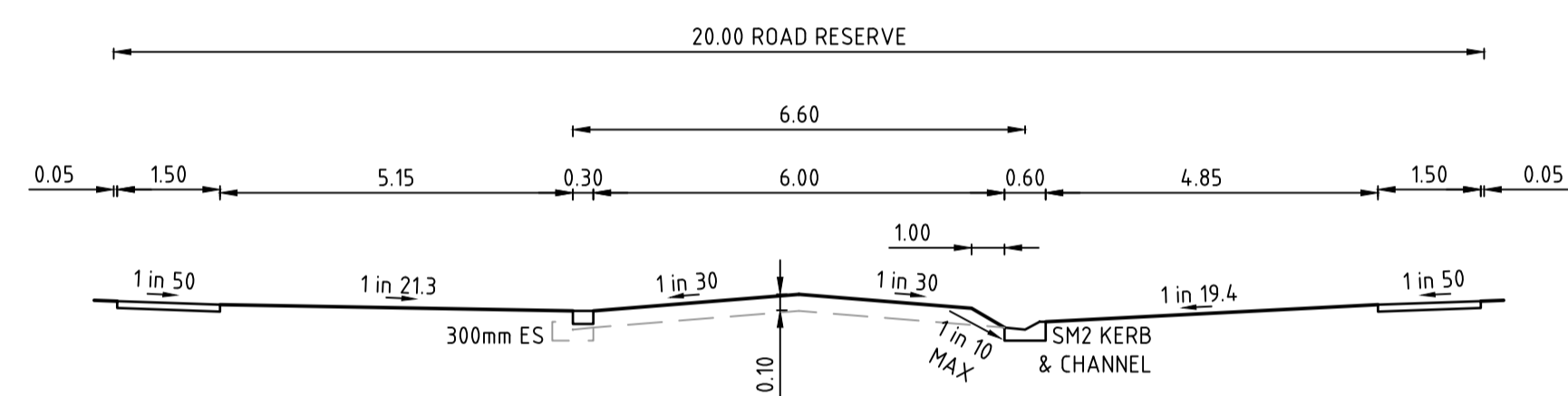


**RAMP LINE MARKING DETAIL**

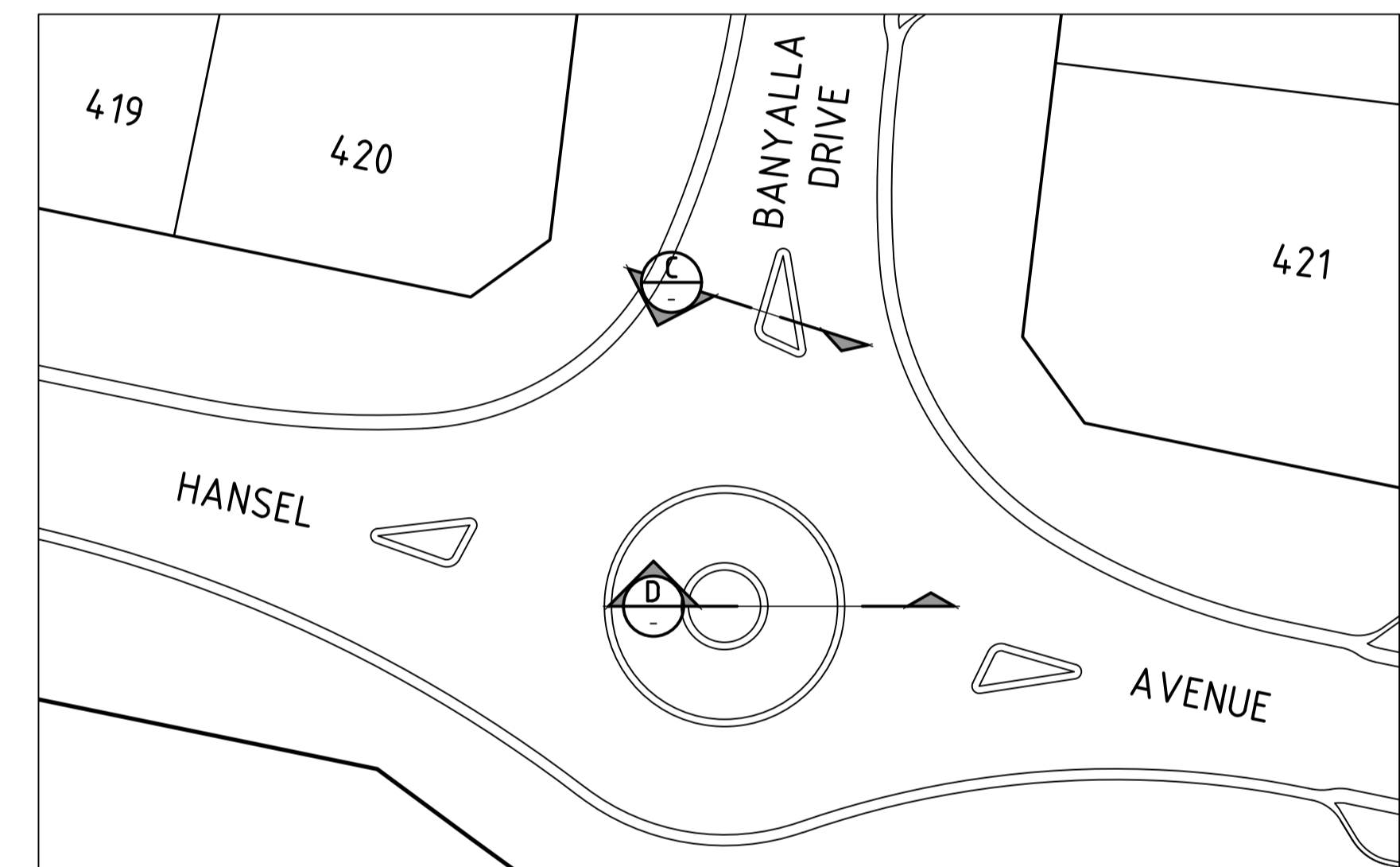


**RAISED PAVEMENT LAYOUT PLAN**

H 1:250  
SCALE @ A1

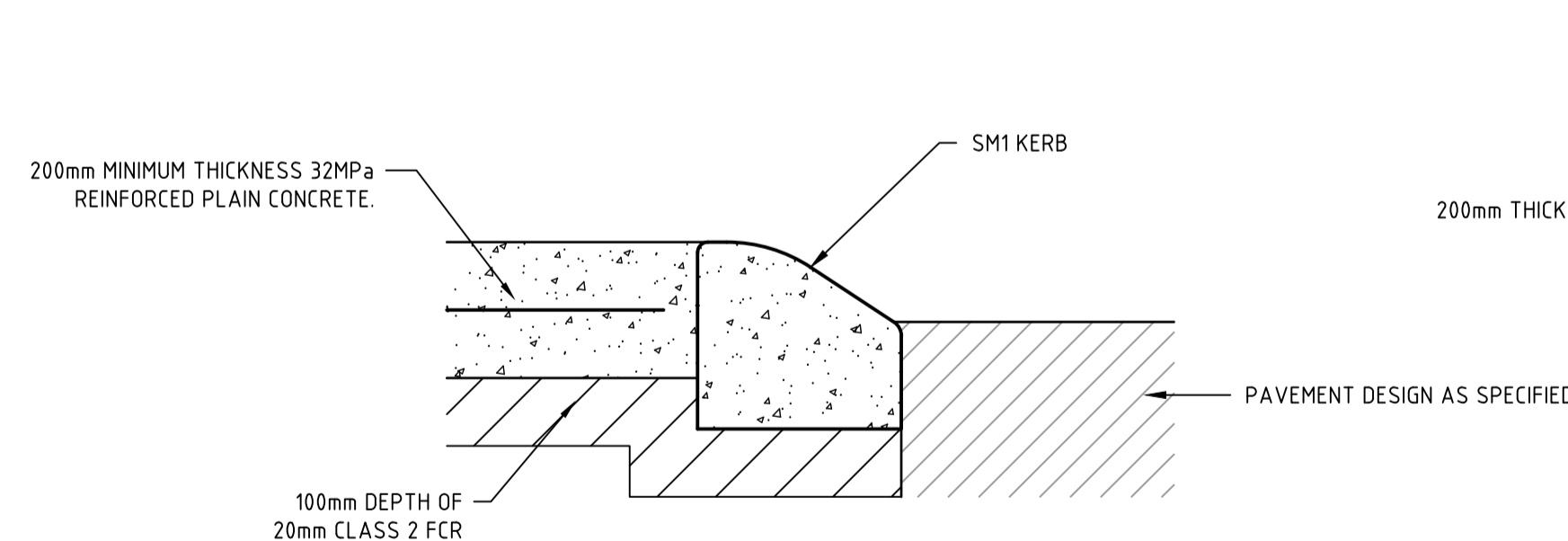


**SECTION B**  
N.T.S.  
**RAISED INTERSECTION - TYPICAL SECTION DETAIL**  
BANYALLA DRIVE

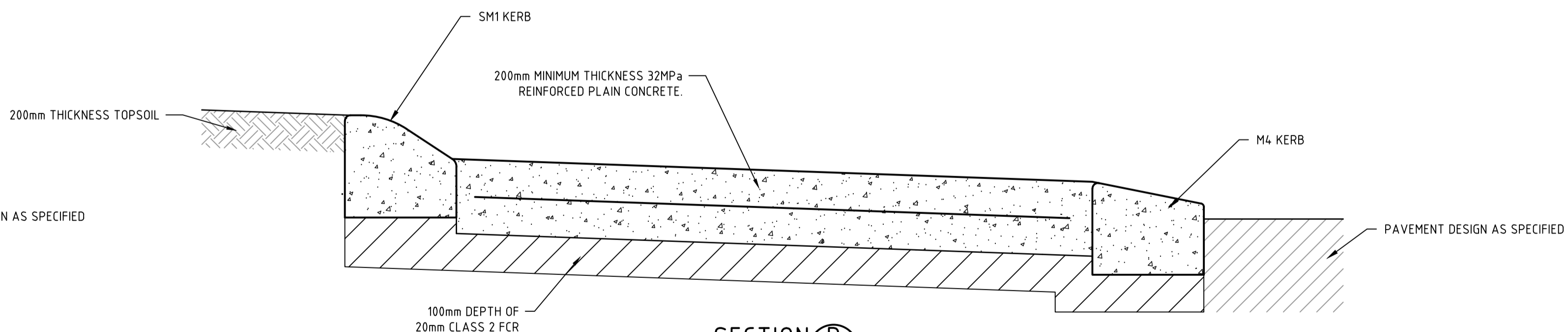


**ROUNDBABOUT LAYOUT PLAN**

H 1:250  
SCALE @ A1



**SECTION C**  
N.T.S.  
**TYPICAL SECTION - SPLITTER ISLAND**



**SECTION D**  
N.T.S.  
**TYPICAL SECTION - ROUNDABOUT**

file name: 309132CR701.dwg, layout: road, name: CD701, plotted by: Saurav, path: \\spire\projects\309132\309132.dwg, plot date: 29/09/2022 8:51 AM, sheet: 21 of 22, sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
B	AMENDED ROUNDABOUT DETAILS	B.W	01/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22

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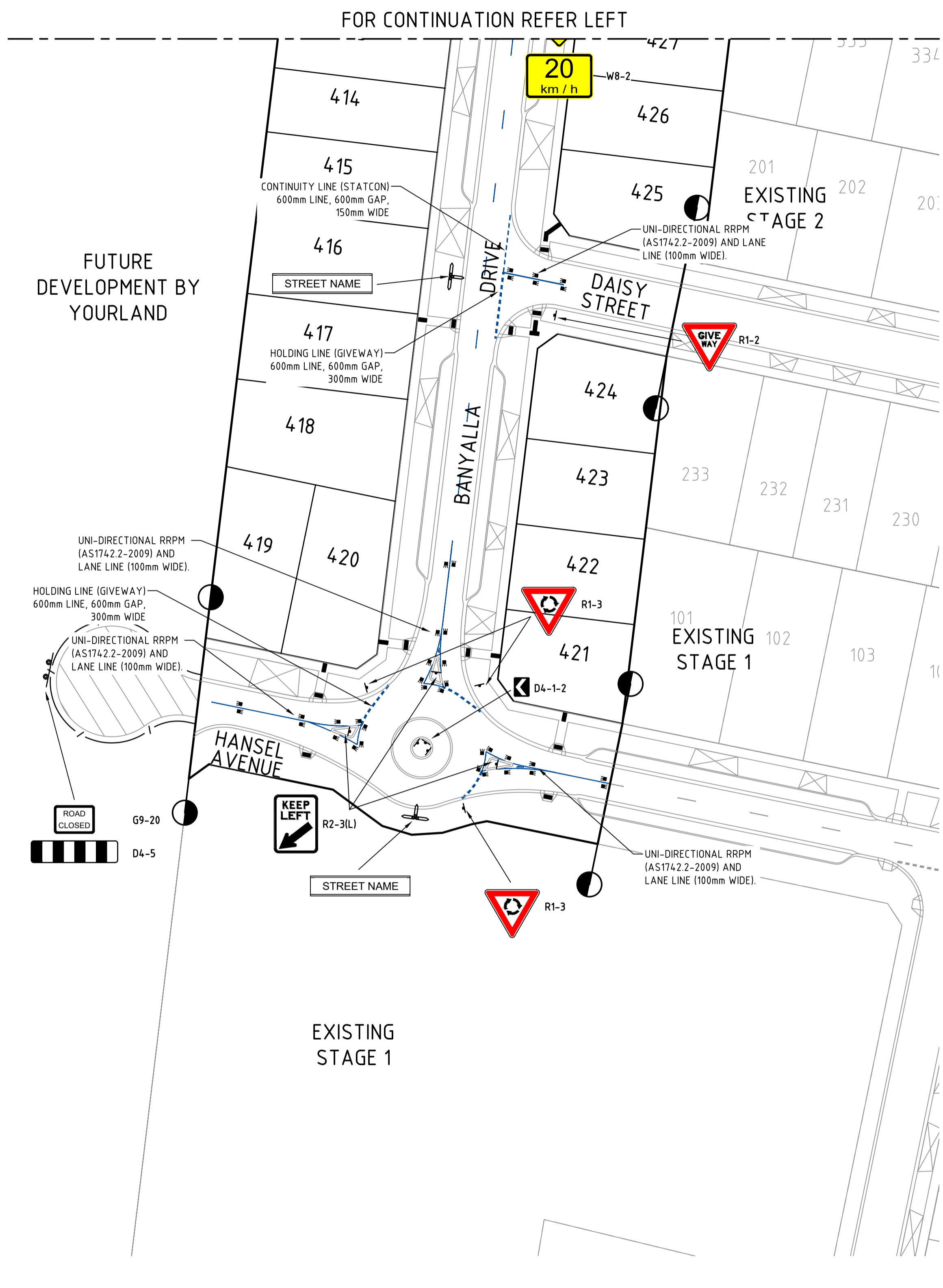
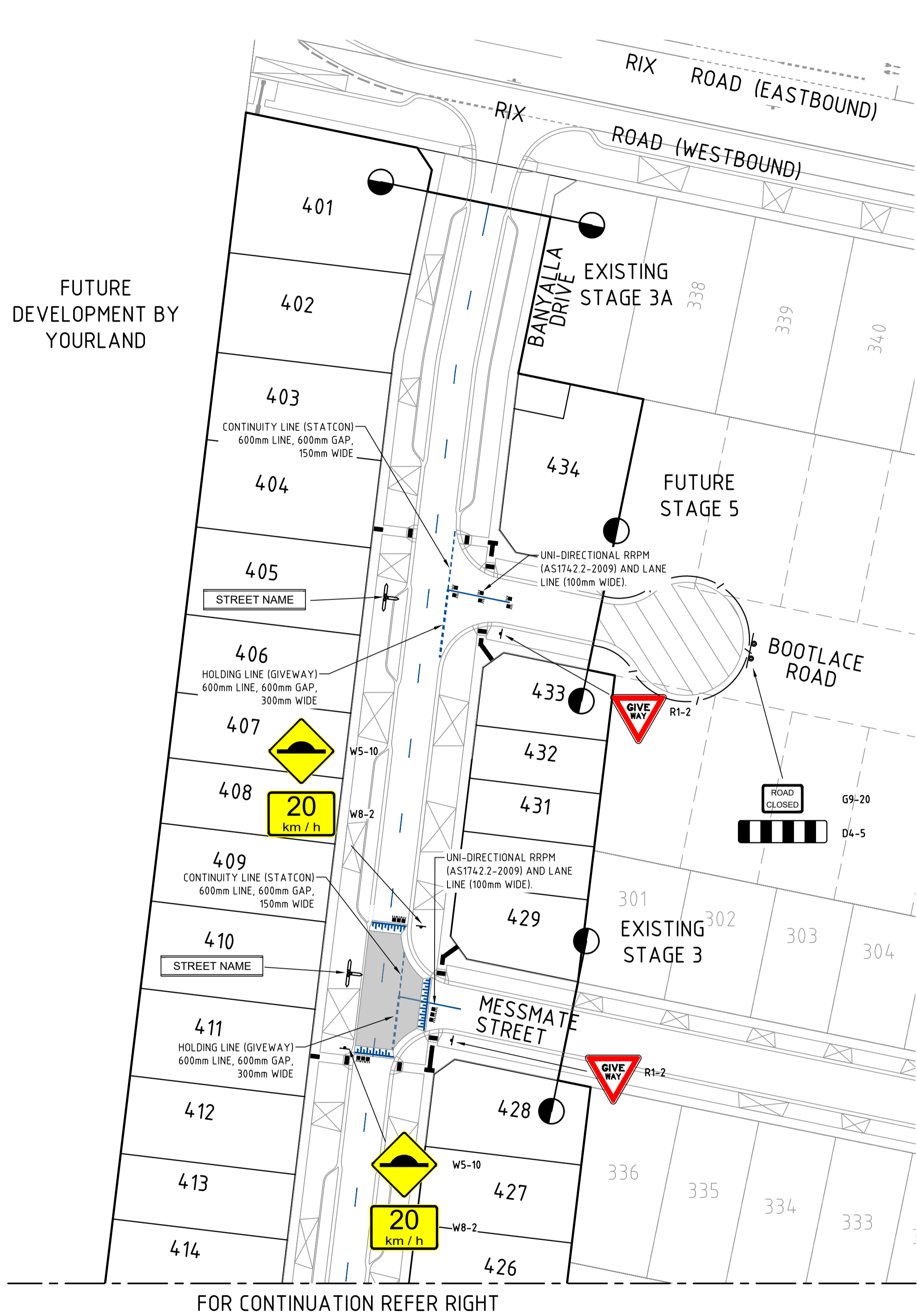
16 BRIDGE STREET BENDIGO  
 VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
 spiire.com.au ABN 55 050 029 635

Designed  
 M. WRIGHT
   
 Authorised  
 B. WAREHAM
   
 Checked  
 B. IBBS
   
 Date  
 29/09/2022

**OFFICER CENTRAL**  
**STAGE 4**  
**ROAD AND DRAINAGE**  
**PAVEMENT AND TYPICAL DETAILS - SHEET 2**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD
   
**CONSTRUCTION**

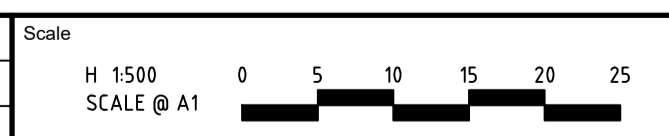
 Dwg No  
**309132CR701**

 Rev  
**0**



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Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
C	AMENDED WEST LEG SPLITTER ISLAND	B.W	25/07/22
B	AMENDED ROUNDABOUT DETAILS	B.W	01/07/22
A	PRELIMINARY ISSUE	B.W	23/03/22



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Designed  
M. WRIGHT

Checked  
B. IBBS

Authorised  
B. WAREHAM

Date  
29/09/2022

**OFFICER CENTRAL  
STAGE 4  
ROAD AND DRAINAGE  
SIGNAGE AND LINEMARKING**  
CARDINIA SHIRE  
YOURLAND PTY LTD

**CONSTRUCTION**

Dwg No  
309132CR800

Rev  
0