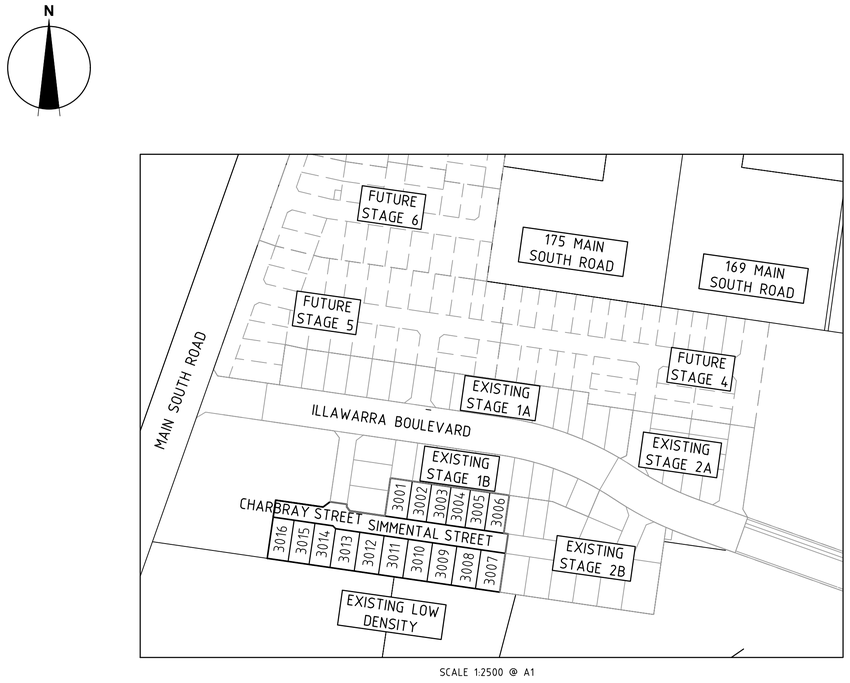
245 MAIN SOUTH ROAD, DROUIN

STAGE 3

Baw Baw Shire Council - PLA0354/18



LOCALITY PLAN

VIC ROADS REF: 706 C10

Drawing Index

19002-03-00	COVER SHEET & LOCALITY PLAN
19002-03-01	LAYOUT PLAN
19002-03-02	TYPICAL CROSS SECTIONS
19002-03-03	INTERSECTION DETAIL PLAN
19002-03-04	LIP PROFILES
19002-03-05	SETOUT INFORMATION
19002-03-06	LONGITUDINAL SECTION - SIMMENTAL STREET
19002-03-07	LONGITUDINAL SECTION - CHARBRAY STREET
19002-03-08	CROSS SECTIONS - SIMMENTAL STREET - CH 69.700 - CH 154.938
19002-03-09	CROSS SECTIONS - SIMMENTAL STREET - CH 170.942 - CH 222.538
19002-03-10	DRAINAGE LONGITUDINAL SECTIONS
19002-03-11	DRAINAGE PIT SCHEDULE
19002-03-12	GENERAL NOTES & DETAILS
19002-03-13	MASTER SERVICES PLAN
19002-03-14	SIGNAGE & LINEMARKING PLAN
19002-03-15	RETAINING WALL PLAN
19002-03-16	LOT BENCHING PLAN

Principal

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ROAD LAYOUT TABLE

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
CHARBRAY STREET	LOCAL	14.00	5.50	N/A	N/A	N/A	N/A	3.25	5.25
SIMMENTAL STREET	LOCAL	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05
SIMMENTAL STREET	LOCAL	14.00	6.70	7.30	7.75	B2	SM2-M	1.20	5.05

SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		WATER		ELECTRICITY		TELECOMMUNICATIONS	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
CHARBRAY STREET	SOUTH	2.10	SOUTH	2.60	SOUTH	3.80	SOUTH	3.20
SIMMENTAL STREET (16m)	SOUTH	2.10	SOUTH	2.60	NORTH	2.50	NORTH	1.80
SIMMENTAL STREET (14m)	EAST	2.10	EAST	2.60	EAST	3.60	EAST	3.20

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations 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.
Locate all underground services before commencement of works
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	REVISION	DATE	DES/DFT	APP'D
.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
E	AMENDED ALL NEW RETAINING WALLS TO BE NO BIGGER THAN 1M	08/10/21	AC/AC	KT
D	AMENDED AS PER COUNCIL COMMENTS DATED 08/09/21	21/09/21	NG/NG	KT
C	AMENDED AS PER COUNCIL COMMENTS DATED 23/08/21	23/08/21	NG/NG	KT
B	PROVISION OF ROAD NAMES	09/09/21	NG/NG	NI
A	INITIAL ISSUE	11/03/21	NG/NG	KT

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Drawn
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Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

Scale @ A1 1:500
0 5 10 20
Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
LAYOUT PLAN

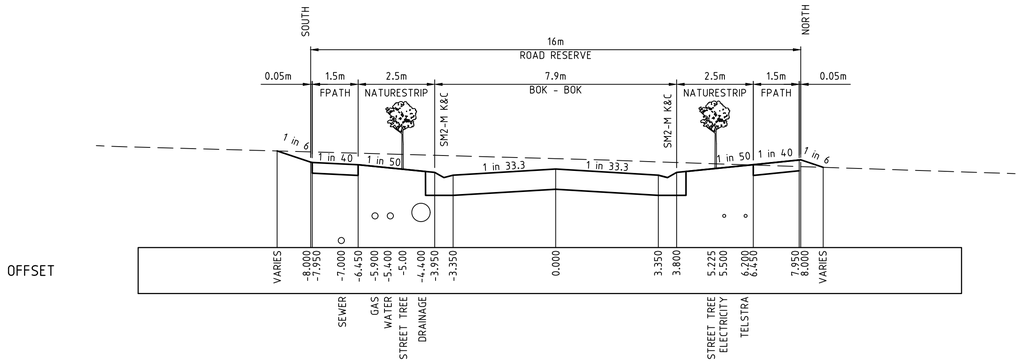
Drawing No. 19002-03-01 **Rev G**
Sheet No. 01 of 16

AS CONSTRUCTED

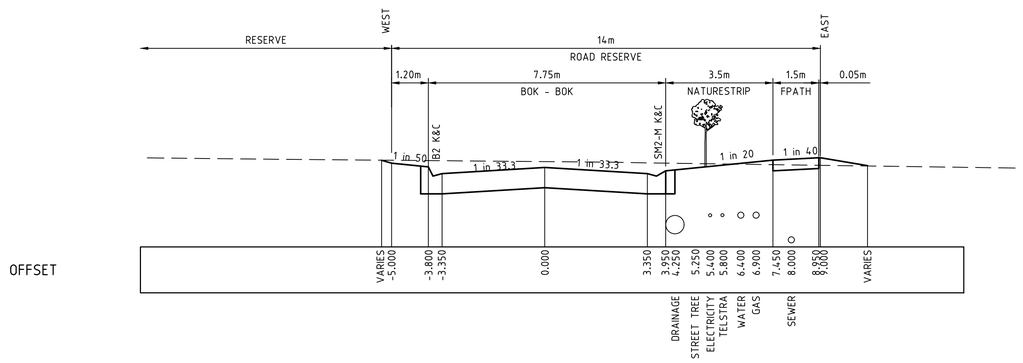
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

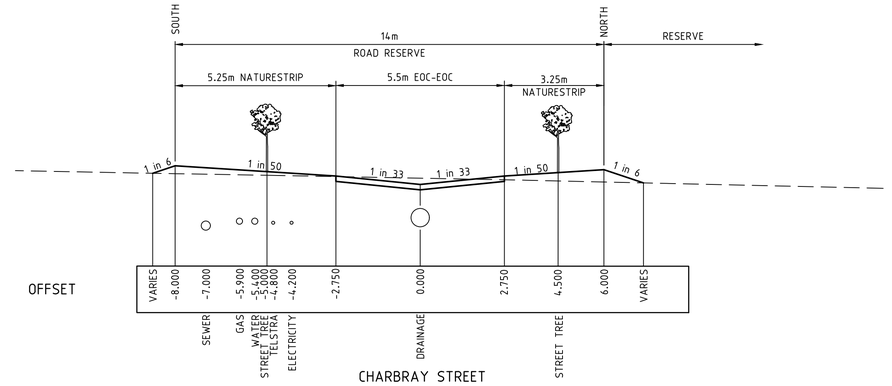
LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



SIMMENTAL STREET (16.0m)



SIMMENTAL STREET (14.0m)



CHARBRAY STREET

.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
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A	INITIAL ISSUE	11/03/21	NG/NG	KT
REVISION		DATE	DES/DFT	APP'D

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Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

Scale @ A1 H1:100 V1:50
0 1 2 4
0 0.5 1 2

Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN

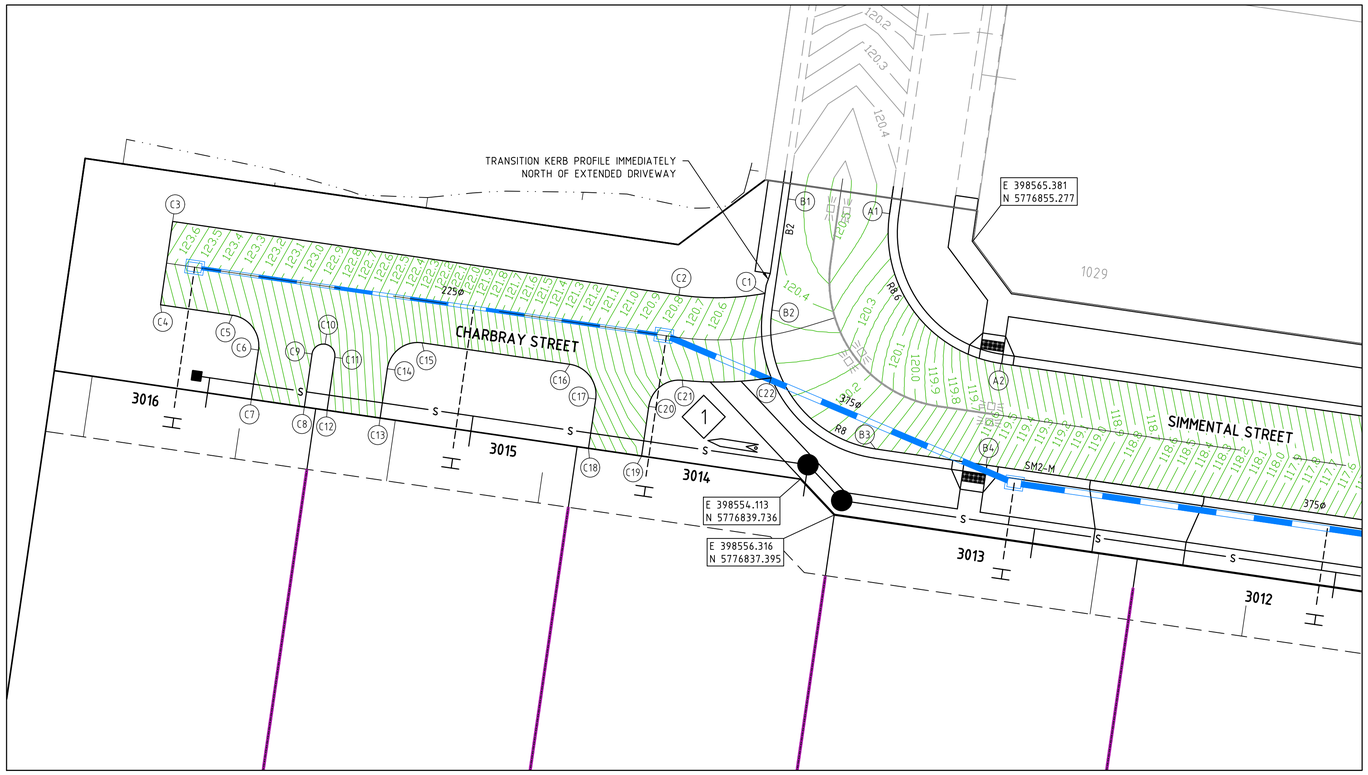
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
TYPICAL CROSS SECTIONS

Drawing No. 19002-03-02 **Rev G**

Sheet No. 02 of 16

AS CONSTRUCTED

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SIGN SCHEDULE

SIGN	REF
STREET SIGN	1

LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

WARNING

BEWARE OF UNDERGROUND SERVICES

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Locate all underground services before commencement of works

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NOTES

1. REFER TO SHEET No 04 FOR LIP PROFILES.
2. REFER TO SHEET No 05 FOR SETOUT INFORMATION.
3. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPM'S AT MAX 6m SPACING.

REVISION		DATE	DES/DFT	APP'D
.	.	.	.	.
.	.	.	.	.
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Drawn
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Checked
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Authorised
K.Taylor

Date
March 2021

N

Scale @ A1 1:200
0 2 4 8

Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN

STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
INTERSECTION DETAIL PLAN

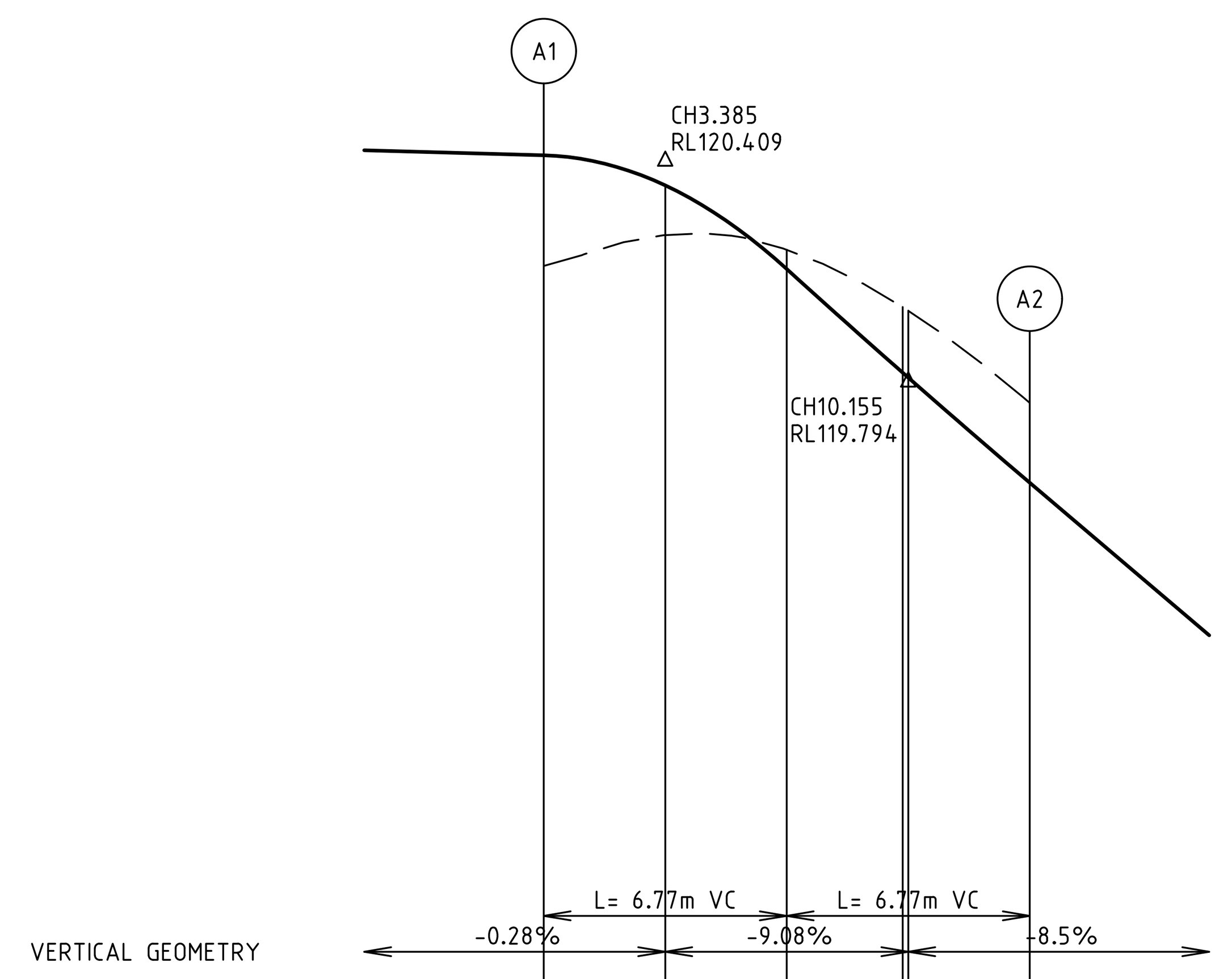
Drawing No. 19002-03-03 **Rev G**

Sheet No. 03 of 16

AS CONSTRUCTED

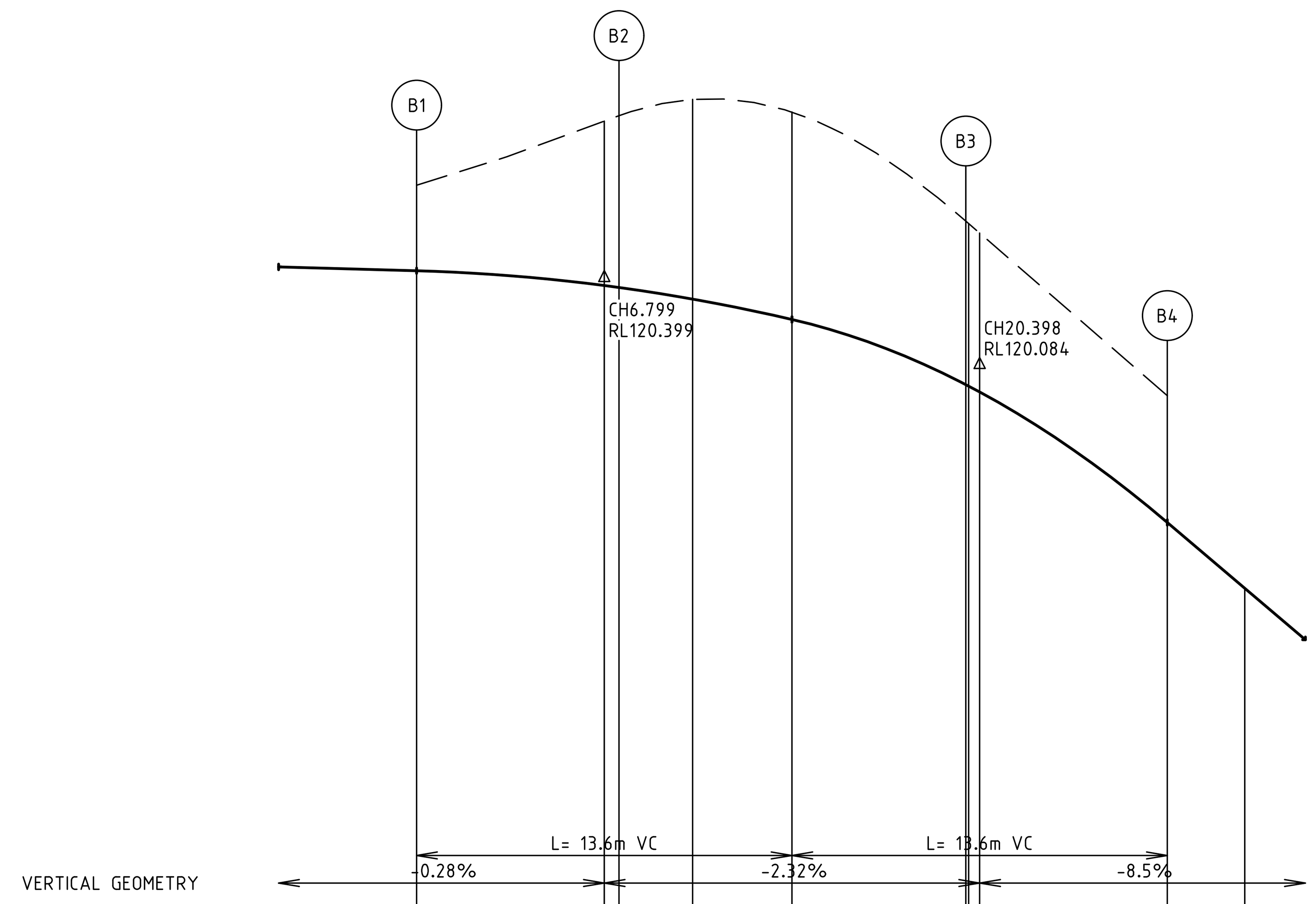
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LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



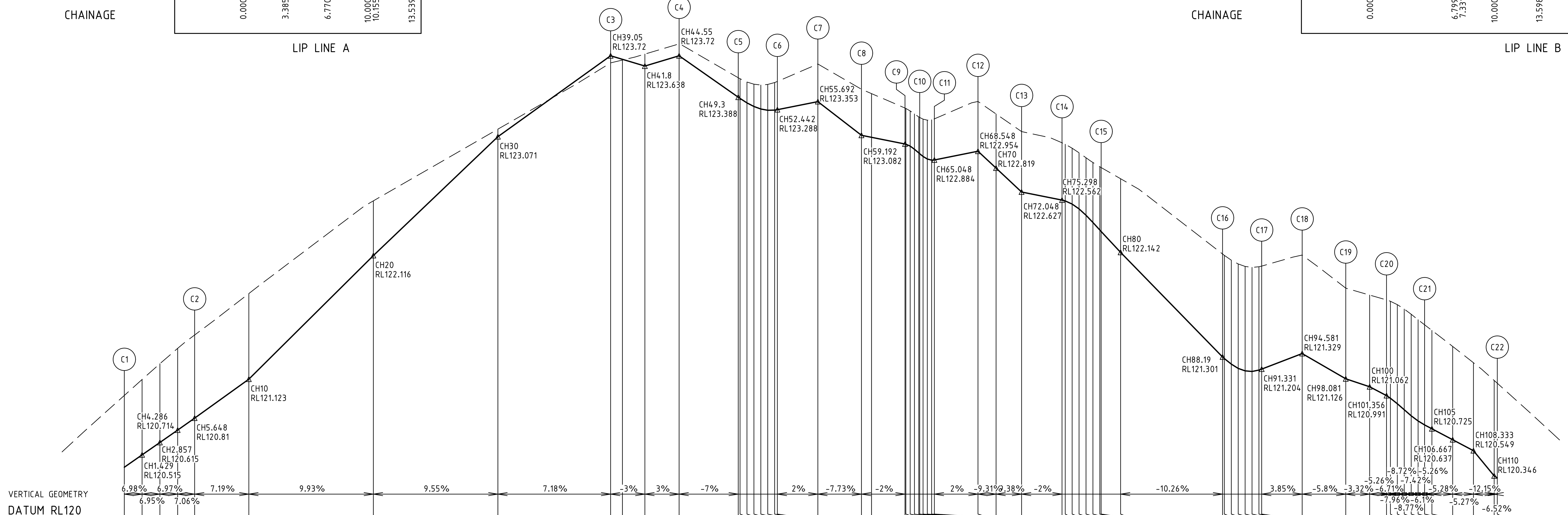
CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	120.418	120.110
3.385	120.334	120.196
6.770	120.101	120.155
10.000	119.813	119.996
10.155	119.799	119.986
13.539	119.506	119.728

LIP LINE A



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	120.418	120.728
6.799	120.365	120.960
7.331	120.358	120.980
10.000	120.316	121.039
13.598	120.242	120.993
19.897	120.006	120.598
20.000	120.000	120.589
20.398	119.979	120.555
27.197	119.506	119.966
30.000	119.268	

LIP LINE B



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE
0.000	120.416	120.992
1.429	120.515	121.121
2.857	120.615	121.247
4.286	120.714	121.371
5.648	120.810	121.478
10.000	121.123	121.811
20.000	122.116	122.555
30.000	123.071	123.131
39.050	123.720	123.663
40.000	123.692	123.686
41.800	123.638	123.734
44.550	123.720	123.819
49.300	123.388	123.544
49.444	123.378	123.536
50.000	123.342	123.510
50.556	123.313	123.493
51.111	123.293	123.486
51.667	123.283	123.490
52.222	123.284	123.506
52.442	123.288	123.514
55.692	123.353	123.654
59.192	123.082	123.452
60.000	123.066	123.417
62.692	123.012	123.301
62.759	123.010	123.298
63.103	122.995	123.278
63.448	122.970	123.253
63.793	122.940	123.230
63.870	122.934	123.225
64.138	122.912	123.212
64.483	122.891	123.204
64.828	122.882	123.206
65.048	122.884	123.214
68.548	122.954	123.354
70.000	122.819	123.253
72.048	122.627	123.112
75.298	122.562	123.022
75.556	122.555	123.010
76.111	122.529	122.978
76.667	122.491	122.941
77.222	122.440	122.902
77.778	122.382	122.864
78.333	122.321	122.829
78.440	122.309	122.823
80.000	122.142	122.733
88.190	121.301	122.128
88.333	121.289	122.117
88.889	121.244	122.079
89.444	121.209	122.049
90.000	121.190	122.029
90.556	121.185	122.021
91.111	121.196	122.026
91.331	121.204	122.031
94.581	121.329	122.120
98.081	121.126	121.854
100.000	121.062	121.799
101.356	120.991	121.760
101.667	120.970	121.749
102.222	120.926	121.722
102.778	120.877	121.686
103.333	120.829	121.645
103.889	120.787	121.600
104.409	120.756	121.560
105.000	120.725	121.515
106.667	120.637	121.386
108.333	120.549	121.255
110.000	120.346	121.113
110.247	120.330	121.091

LIP LINE C

NOTES
1. CHAINAGES REFER TO LIP OF KERB/EDGE OF CONCRETE.
2. REFER TO SHEET No 05 FOR SETOUT INFORMATION.

	REVISION	DATE	DES/DFT	APP'D
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Checked K.Taylor
Authorised K.Taylor
Date March 2021

Scale @ A1 H1:200 V1:20
0 2 4 8
0 0.2 0.4 0.8
Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
LIP PROFILES

Drawing No. 19002-03-04 **Rev G**
Sheet No. 04 of 16

AS CONSTRUCTED

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ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	398559.931	5776857.060	120.418
A2	398567.200	5776847.283	119.506

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
A1 - A2	90.204	8.600	13.539	2.530	1.872	3.298	2.794	3.385	120.101

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	398553.300	5776858.023	120.418
B2	398552.246	5776850.769	120.358
B3	398559.013	5776841.702	120.006
B4	398566.237	5776840.652	119.506

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
B2 - B3	90.000	8.000	12.566	2.343	1.734	3.061	2.595	3.142	120.241

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	398551.799	5776851.861	120.416
C2	398546.177	5776851.752	120.810
C3	398513.122	5776856.554	123.720
C4	398512.331	5776851.111	123.720
C5	398517.031	5776850.429	123.387
C6	398518.723	5776848.162	123.283
C7	398518.256	5776844.946	123.348
C8	398521.719	5776844.442	123.075
C9	398522.223	5776847.906	123.012
C10	398523.073	5776848.540	122.934
C11	398523.707	5776847.690	122.884
C12	398523.204	5776844.227	122.953
C13	398526.667	5776843.723	122.621
C14	398527.135	5776846.940	122.556
C15	398529.401	5776848.631	122.313
C16	398539.050	5776847.229	121.299
C17	398540.742	5776844.963	121.228
C18	398540.275	5776841.746	121.389
C19	398543.738	5776841.243	121.134
C20	398544.209	5776844.483	120.990
C21	398546.388	5776846.186	120.755
C22	398552.208	5776846.351	120.330

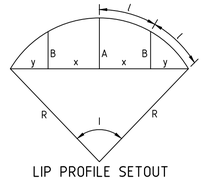
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C1 - C2	18.759	17.250	5.648	0.231	0.173	1.410	1.401	1.412	120.612
C5 - C6	90.000	2.000	3.142	0.586	0.434	0.765	0.649	0.785	123.301
C9 - C10	90.000	0.750	1.178	0.220	0.163	0.287	0.243	0.295	122.957
C10- C11	90.000	0.750	1.178	0.220	0.163	0.287	0.243	0.295	122.873
C14- C15	90.000	2.000	3.142	0.586	0.434	0.765	0.649	0.785	122.471
C16- C17	90.000	2.000	3.142	0.586	0.434	0.765	0.649	0.785	121.208
C20- C21	87.458	2.000	3.053	0.555	0.411	0.745	0.638	0.763	120.869
C21- C22	14.704	22.750	5.839	0.187	0.140	1.459	1.453	1.460	120.538

SIMMENTAL STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
0.000	398566.898	5776928.318	188°16'00"	
70.500	398556.762	5776858.550	188°16'00"	
75.200	398556.086	5776853.899	188°16'00"	TC
76.923	398556.017	5776852.181	176°22'20"	
79.487	398556.568	5776849.687	158°40'19"	
82.051	398557.852	5776847.479	140°58'18"	
84.615	398559.747	5776845.766	123°16'17"	
87.179	398562.072	5776844.711	105°34'16"	
88.238	398563.107	5776844.492	98°15'60"	CT
100.000	398574.747	5776842.801	98°15'60"	
200.000	398673.708	5776828.423	98°15'60"	
222.538	398696.011	5776825.182	98°15'60"	
300.000	398772.669	5776814.045	98°15'60"	

CHARBRAY STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
0.000	398512.726	5776853.833	98°15'60"	
33.402	398545.782	5776849.030	98°15'60"	TC
36.000	398548.369	5776848.825	90°49'31"	
40.000	398552.348	5776849.166	79°21'58"	
42.250	398554.531	5776849.704	72°55'15"	CT
44.169	398556.366	5776850.268	72°55'15"	



LIP PROFILE SETOUT

NOTES
1. SETOUT CO-ORDINATES REFER TO LIP OF KERB/EDGE OF CONCRETE.
2. REFER TO SHEET No 04 FOR LIP PROFILES.

.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
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D	AMENDED AS PER COUNCIL COMMENTS DATED 08/09/21	21/09/21	NG/NG	KT
C	AMENDED AS PER COUNCIL COMMENTS DATED 23/08/21	23/08/21	NG/NG	KT
B	PROVISION OF ROAD NAMES	09/09/21	NG/NG	NI
A	INITIAL ISSUE	11/03/21	NG/NG	KT
REVISION		DATE	DES/DFT	APP'D

Principal
Bernly Investments Pty Ltd
PO BOX 342
Berwick, VIC 3806

Designed
N.Green

Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

Scale @ A1 1:500
0 5 10 20

Coords: MGA Levels: AHD

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Engineering Design | Development Coordination | Construction Management

245 MAIN SOUTH ROAD, DROUIN

STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
SETOUT INFORMATION

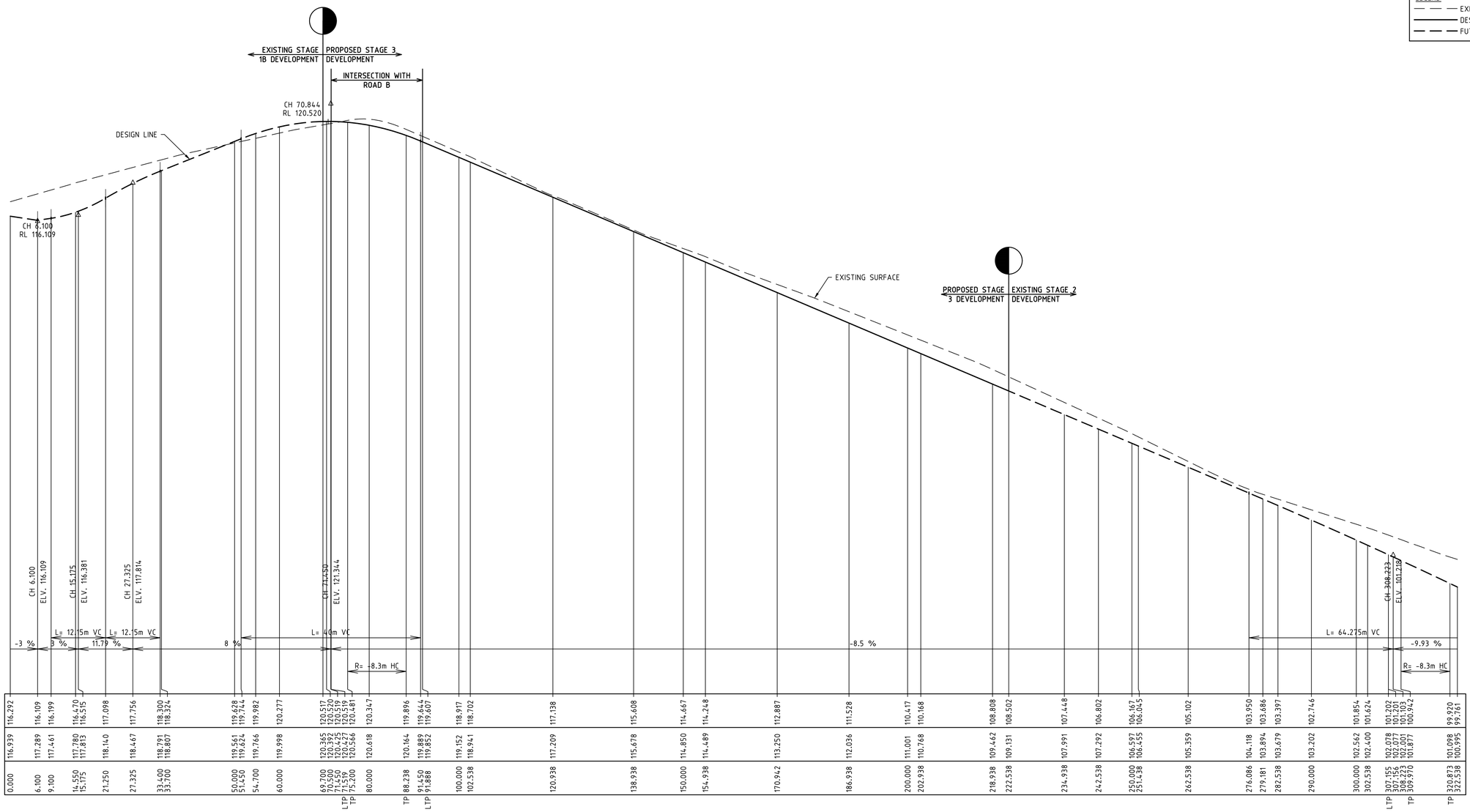
Drawing No. 19002-03-05 **Rev G**

Sheet No. 05 of 16

AS CONSTRUCTED

I:\work\19002 - 245 main south road drouin\19002-23\dwgs\19002-03-05

LEGEND
EXISTING SURFACE
DESIGN LINE
FUTURE/EXISTING DESIGN LINE



CHAINAGE	DESIGN CENTRELINE	EXISTING SURFACE
0.000	116.292	116.939
6.100	116.109	117.289
9.100	116.199	117.461
15.550	116.470	117.780
15.175	116.515	117.813
21.250	117.098	118.140
27.325	117.756	118.467
33.400	118.300	118.791
33.700	118.324	118.807
50.000	119.628	119.561
51.450	119.744	119.624
54.700	119.982	119.766
60.000	120.277	119.998
69.700	120.517	120.365
70.300	120.529	120.425
71.450	120.519	120.427
LTP 71.519	120.519	120.427
TP 75.200	120.481	120.566
80.000	120.347	120.618
TP 88.238	119.896	120.164
91.450	119.644	119.889
LTP 91.888	119.607	119.852
100.000	118.917	119.152
102.538	118.702	118.941
120.938	117.138	117.209
138.938	115.608	115.678
150.000	114.667	114.850
154.938	114.248	114.489
170.942	112.887	113.250
186.938	111.528	112.036
200.000	110.417	111.001
202.938	110.168	110.768
218.938	108.808	109.462
222.538	108.502	109.131
234.938	107.448	107.991
242.538	106.802	107.292
250.000	106.167	106.597
251.438	106.045	106.455
262.538	105.102	105.359
276.086	103.950	104.118
279.181	103.686	103.894
282.538	103.397	103.679
290.000	102.746	103.202
300.000	101.854	102.562
302.538	101.624	102.400
307.155	101.202	102.078
307.223	101.201	102.077
308.223	101.103	102.001
LTP 309.970	100.942	101.877
TP 320.873	99.920	101.098
322.538	99.761	100.995

SIMMENTAL STREET LONGITUDINAL SECTION

REVISION		DATE	DES/DFT	APP'D
.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
E	AMENDED ALL NEW RETAINING WALLS TO BE NO BIGGER THAN 1M	08/10/21	AC/AC	KT
D	AMENDED AS PER COUNCIL COMMENTS DATED 08/09/21	21/09/21	NG/NG	KT
C	AMENDED AS PER COUNCIL COMMENTS DATED 23/08/21	23/08/21	NG/NG	KT
B	PROVISION OF ROAD NAMES	09/09/21	NG/NG	NI
A	INITIAL ISSUE	11/03/21	NG/NG	KT

Principal
Bernly Investments Pty Ltd
PO BOX 342
Berwick, VIC 3806

Designed
N.Green

Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

Scale @ A1 H1:500 V1:50
0 5 10 20
0 1 2 4

Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN

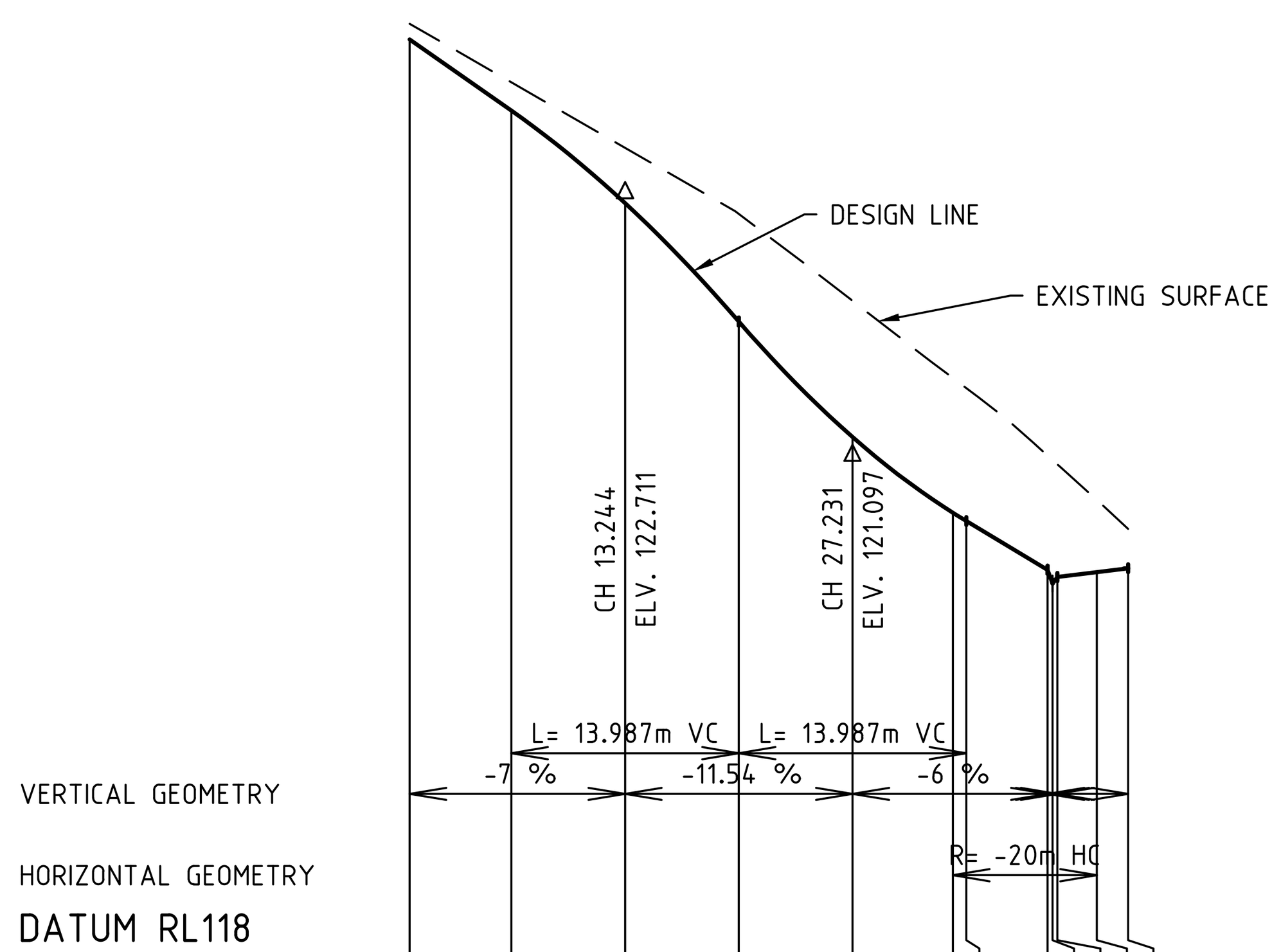
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
LONGITUDINAL SECTION - SIMMENTAL STREET

Drawing No. 19002-03-06 **Rev G**

Sheet No. 06 of 16

AS CONSTRUCTED

I:\work\19002 - 245 main south road drouin\19002-03\dwg\n19002-03-06



DATUM RL118

DESIGN CENTRELINE	123.638	123.201	122.632	121.904	121.194	120.728	120.677	120.377	120.293	120.333	120.363	120.387
EXISTING SURFACE	123.734	123.374	122.972	122.565	122.031	121.557	121.495	121.080	121.053	121.026	120.806	120.629
CHAINAGE	0.000	6.250	13.244	20.237	27.231	33.402	34.224	39.224	39.525	39.827	42.250	44.169

CHARBRAY STREET LONGITUDINAL SECTION

I:\work\19002 - 245 main south road drouin\19002-03\dwgs\19002-03-07

	REVISION	DATE	DES/DFT	APP'D
.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
E	AMENDED ALL NEW RETAINING WALLS TO BE NO BIGGER THAN 1M	08/10/21	AC/AC	KT
D	AMENDED AS PER COUNCIL COMMENTS DATED 08/09/21	21/09/21	NG/NG	KT
C	AMENDED AS PER COUNCIL COMMENTS DATED 23/08/21	23/08/21	NG/NG	KT
B	PROVISION OF ROAD NAMES	09/09/21	NG/NG	NI
A	INITIAL ISSUE	11/03/21	NG/NG	KT

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Berwick, VIC 3806

Designed
N.Green

Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

Scale @ A1 H1:500 V1:50
0 5 10 20
0 0.5 1 2
Coords: MGA Levels: AHD

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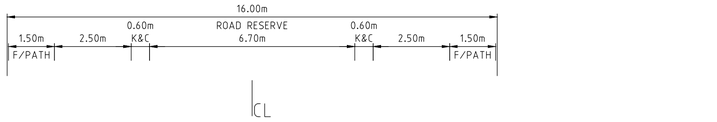
245 MAIN SOUTH ROAD, DROUIN
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
LONGITUDINAL SECTION - CHARBRAY STREET

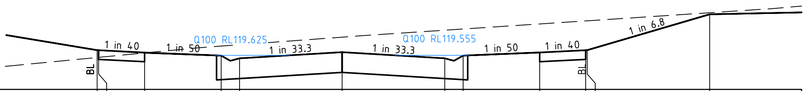
Drawing No. 19002-03-07 **Rev G**
Sheet No. 07 of 16

AS CONSTRUCTED

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

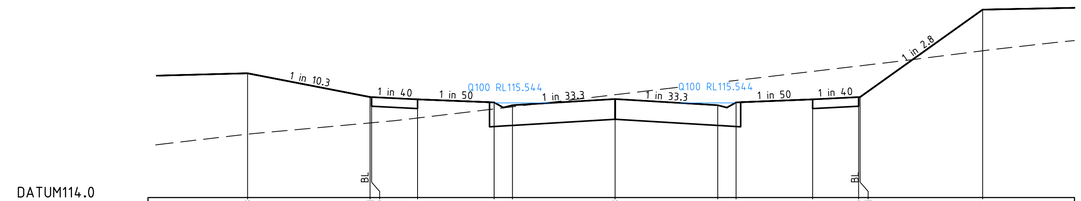
LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE





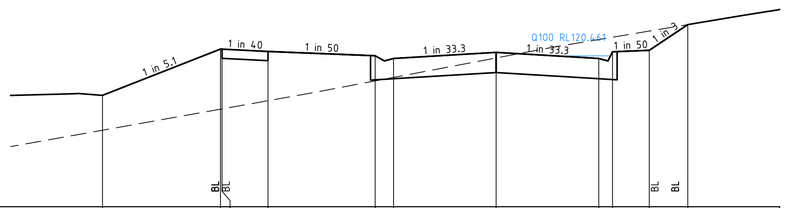
DATUM119.0									
DESIGN SURFACE	119.640 119.639	119.601	119.551 119.506	119.607	119.506 119.551	119.601	119.639 119.640	120.225	
EXISTING SURFACE	119.520 119.522	119.594	119.706 119.728	119.852	119.966 119.985	120.068	120.117 120.119	120.251	
OFFSET	-8.000 -7.950	-6.450	-3.950 -3.350	0.000	3.350 3.950	6.450	7.950 8.000	12.000	

LTPCH 91.888



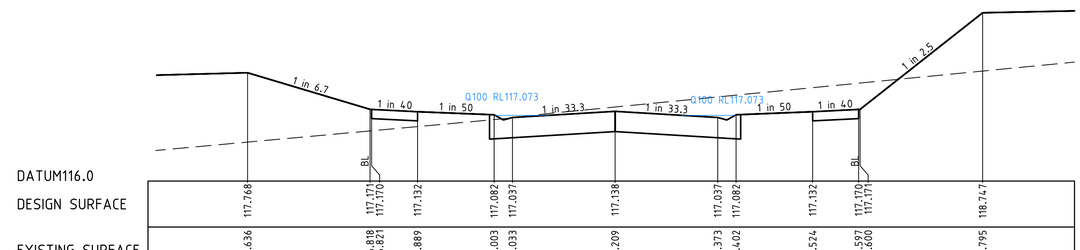
DATUM114.0									
DESIGN SURFACE	116.028	115.641 115.640	115.602	115.552 115.507	115.608	115.507 115.552	115.602	115.640 115.641	117.067
EXISTING SURFACE	115.035	115.217 115.220	115.298	115.445 115.481	115.678	115.876 115.911	116.058	116.147 116.150	116.395
OFFSET	-12.000	-8.000 -7.950	-6.450	-3.950 -3.350	0.000	3.350 3.950	6.450	7.950 8.000	12.000

CH 138.938



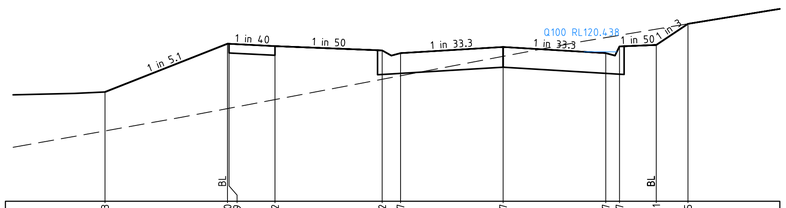
DATUM118.0									
DESIGN SURFACE	119.817	120.572 120.571	120.533	120.463 120.418	120.519	120.418 120.528	120.552	120.971	
EXISTING SURFACE	119.248	119.591 119.596	119.729	120.053 120.110	120.427	120.728 120.766	120.866	120.971	
OFFSET	-12.854	-9.000 -8.950	-7.450	-3.950 -3.350	0.000	3.350 3.800	5.000	6.257	

LTPCH 71.519



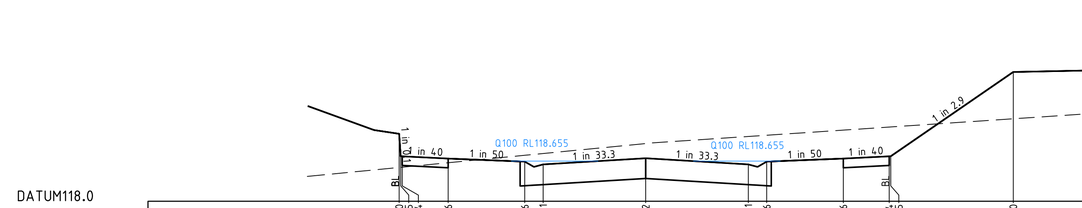
DATUM116.0									
DESIGN SURFACE	117.768	117.171 117.170	117.132	117.082 117.037	117.138	117.037 117.082	117.132	117.170 117.171	118.747
EXISTING SURFACE	116.636	116.818 116.821	116.889	117.003 117.033	117.209	117.373 117.402	117.524	117.597 117.600	117.795
OFFSET	-12.000	-8.000 -7.950	-6.450	-3.950 -3.350	0.000	3.350 3.950	6.450	7.950 8.000	12.000

CH 120.938



DATUM118.0									
DESIGN SURFACE	119.783	120.570 120.569	120.532	120.462 120.417	120.517	120.417 120.527	120.551	120.895	
EXISTING SURFACE	119.147	119.512 119.517	119.659	119.991 120.047	120.365	120.671 120.708	120.809	120.895	
OFFSET	-13.000	-9.000 -8.950	-7.450	-3.950 -3.350	0.000	3.350 3.800	5.000	6.034	

CH 69.700 (LIMIT OF WORKS)



DATUM118.0									
DESIGN SURFACE	119.100 118.735	118.696	118.646 118.601	118.702	118.601 118.646	118.696	118.734 118.735	120.110	
EXISTING SURFACE	118.551 118.553	118.628	118.750 118.779	118.941	119.057 119.077	119.160	119.210 119.212	119.346	
OFFSET	-8.050 -7.950	-6.450	-3.950 -3.350	0.000	3.350 3.950	6.450	7.950 8.000	12.000	

CH 102.538

REVISION		DATE	DES/DFT	APP'D
.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
E	AMENDED ALL NEW RETAINING WALLS TO BE NO BIGGER THAN 1M	08/10/21	AC/AC	KT
D	AMENDED AS PER COUNCIL COMMENTS DATED 08/09/21	21/09/21	NG/NG	KT
C	AMENDED AS PER COUNCIL COMMENTS DATED 23/08/21	23/08/21	NG/NG	KT
B	PROVISION OF ROAD NAMES	09/09/21	NG/NG	NI
A	INITIAL ISSUE	11/03/21	NG/NG	KT

Principal
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PO BOX 342
Berwick, VIC 3806

Designed
N.Green

Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

Scale @ A1 H1:100 V1:50
0 1 2 4
0 0.5 1 2
Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN

STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
CROSS SECTIONS - SIMMENTAL STREET

Drawing No. 19002-03-08 **Rev G**

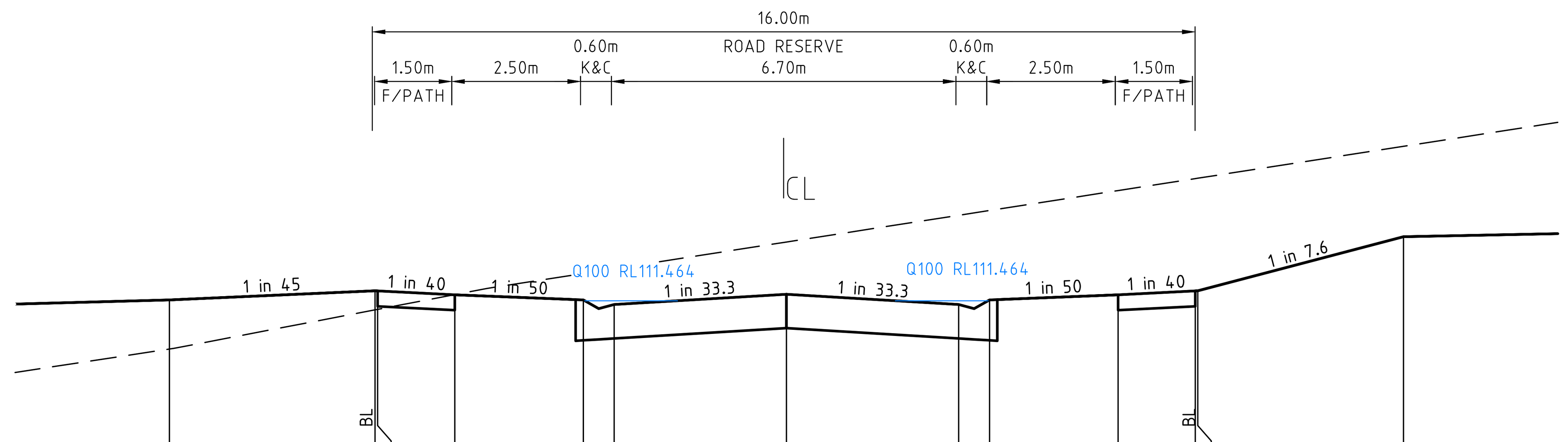
Sheet No. 08 of 16

AS CONSTRUCTED

\\work\19002 - 245 main south road drouin\19002-03\dwgs\19002-03-08

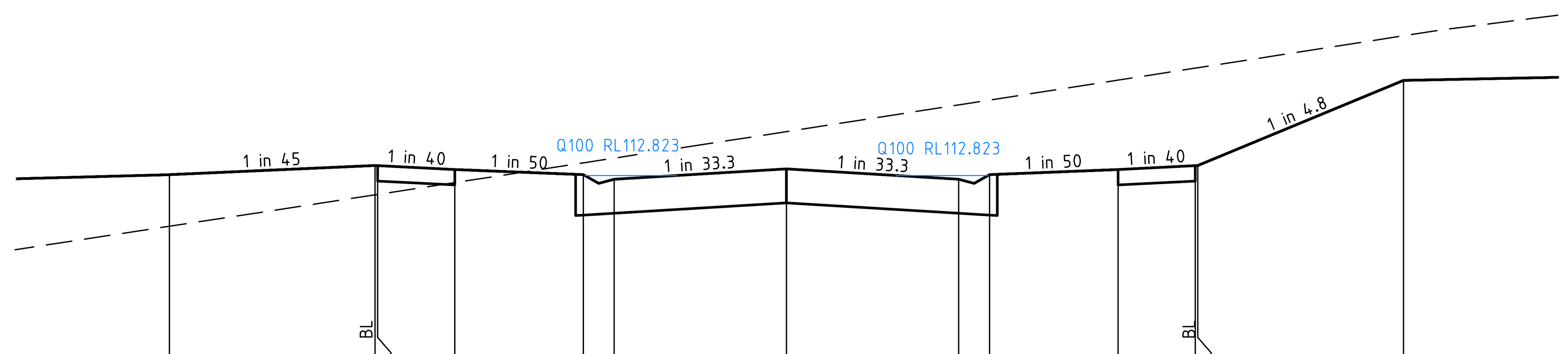
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



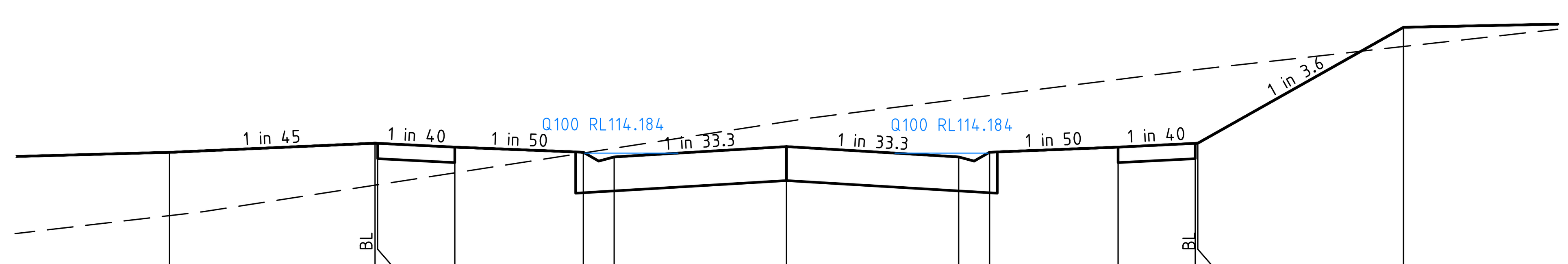
DATUM110.0													
DESIGN SURFACE	111.472	111.561	111.560	111.522	111.472	111.427	111.528	111.427	111.472	111.522	111.560	111.561	112.087
EXISTING SURFACE	110.994	111.376	111.380	111.524	111.729	111.776	112.036	112.295	112.342	112.536	112.652	112.656	112.966
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	12.000

CH 186.938



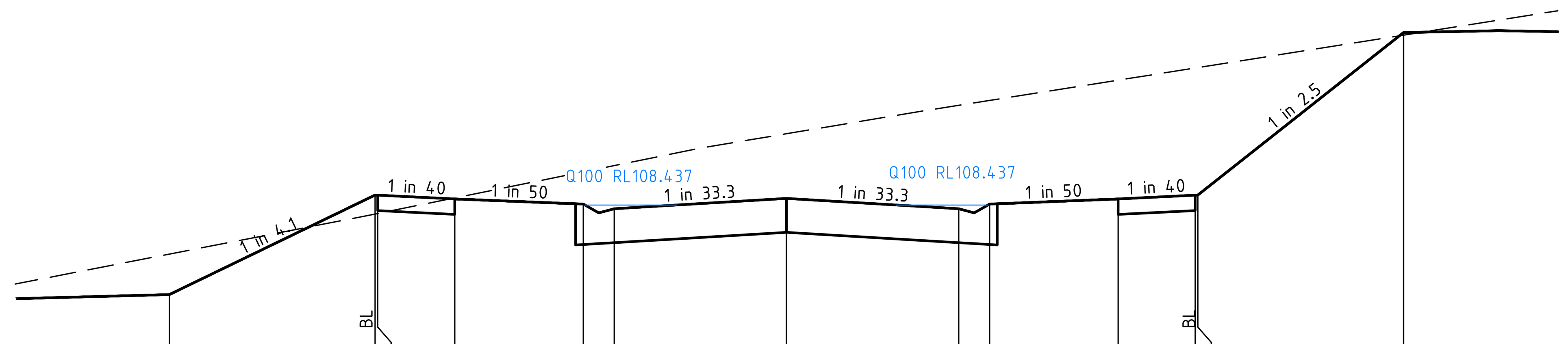
DATUM111.0													
DESIGN SURFACE	112.831	112.920	112.919	112.882	112.832	112.787	112.887	112.787	112.832	112.882	112.919	112.920	113.747
EXISTING SURFACE	112.331	112.636	112.640	112.755	112.946	112.992	113.250	113.509	113.556	113.750	113.866	113.870	114.180
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	12.000

CH 170.942



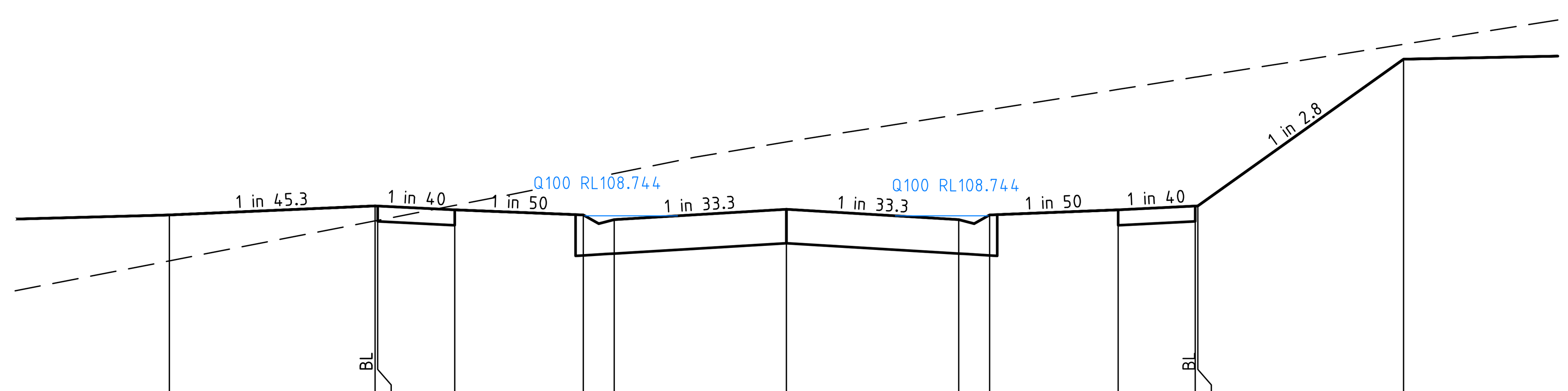
DATUM113.0													
DESIGN SURFACE	114.192	114.281	114.280	114.242	114.192	114.147	114.248	114.147	114.192	114.242	114.280	114.281	115.407
EXISTING SURFACE	113.577	113.873	113.877	113.992	114.185	114.231	114.489	114.706	114.743	114.900	114.994	114.997	115.220
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	12.000

CH 154.938



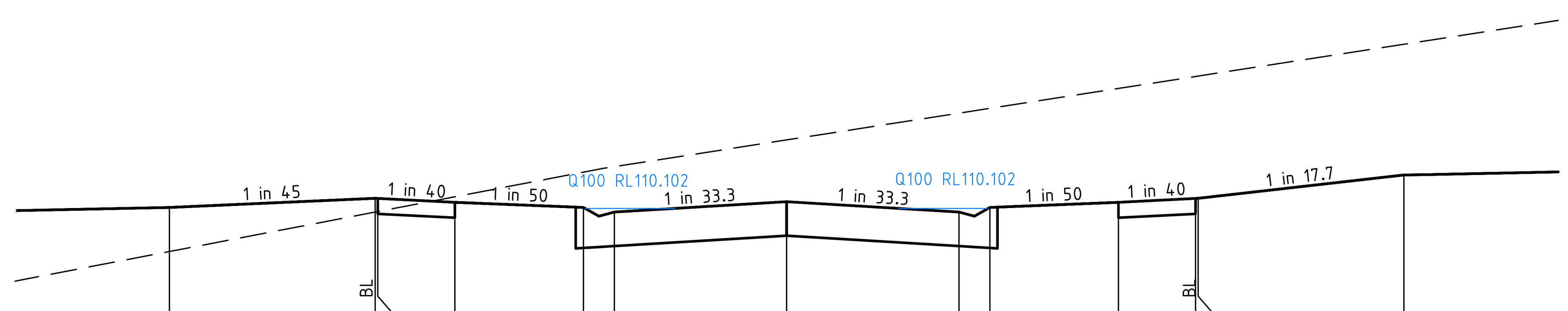
DATUM107.0													
DESIGN SURFACE	107.566	108.535	108.534	108.496	108.446	108.401	108.502	108.401	108.446	108.496	108.534	108.535	110.115
EXISTING SURFACE	107.960	108.349	108.355	108.507	108.760	108.821	109.131	109.407	109.455	109.652	109.771	109.775	110.090
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	12.000

CH 222.538 (LIMIT OF WORKS)



DATUM107.0													
DESIGN SURFACE	108.752	108.841	108.840	108.802	108.752	108.707	108.808	108.707	108.752	108.802	108.840	108.841	110.267
EXISTING SURFACE	108.306	108.695	108.700	108.845	109.093	109.154	109.462	109.728	109.776	109.973	110.092	110.096	110.411
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	12.000

CH 218.938



DATUM109.0													
DESIGN SURFACE	110.112	110.201	110.200	110.162	110.112	110.067	110.168	110.067	110.112	110.162	110.200	110.201	110.427
EXISTING SURFACE	109.684	110.067	110.072	110.216	110.455	110.508	110.768	111.027	111.074	111.268	111.383	111.387	111.696
OFFSET	-12.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	12.000

CH 202.938

	REVISION	DATE	DES/DFT	APP'D
.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
E	AMENDED ALL NEW RETAINING WALLS TO BE NO BIGGER THAN 1M	08/10/21	AC/AC	KT
D	AMENDED AS PER COUNCIL COMMENTS DATED 08/09/21	21/09/21	NG/NG	KT
C	AMENDED AS PER COUNCIL COMMENTS DATED 23/08/21	23/08/21	NG/NG	KT
B	PROVISION OF ROAD NAMES	09/09/21	NG/NG	NI
A	INITIAL ISSUE	11/03/21	NG/NG	KT

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Principal
Bernly Investments Pty Ltd
PO BOX 342
Berwick, VIC 3806

Designed N.Green
Drawn N.Green
Checked K.Taylor
Authorised K.Taylor
Date March 2021

Scale @ A1 H1:100 V1:50
0 1 2 4
0 0.5 1 2
Coords: MGA Levels: AHD

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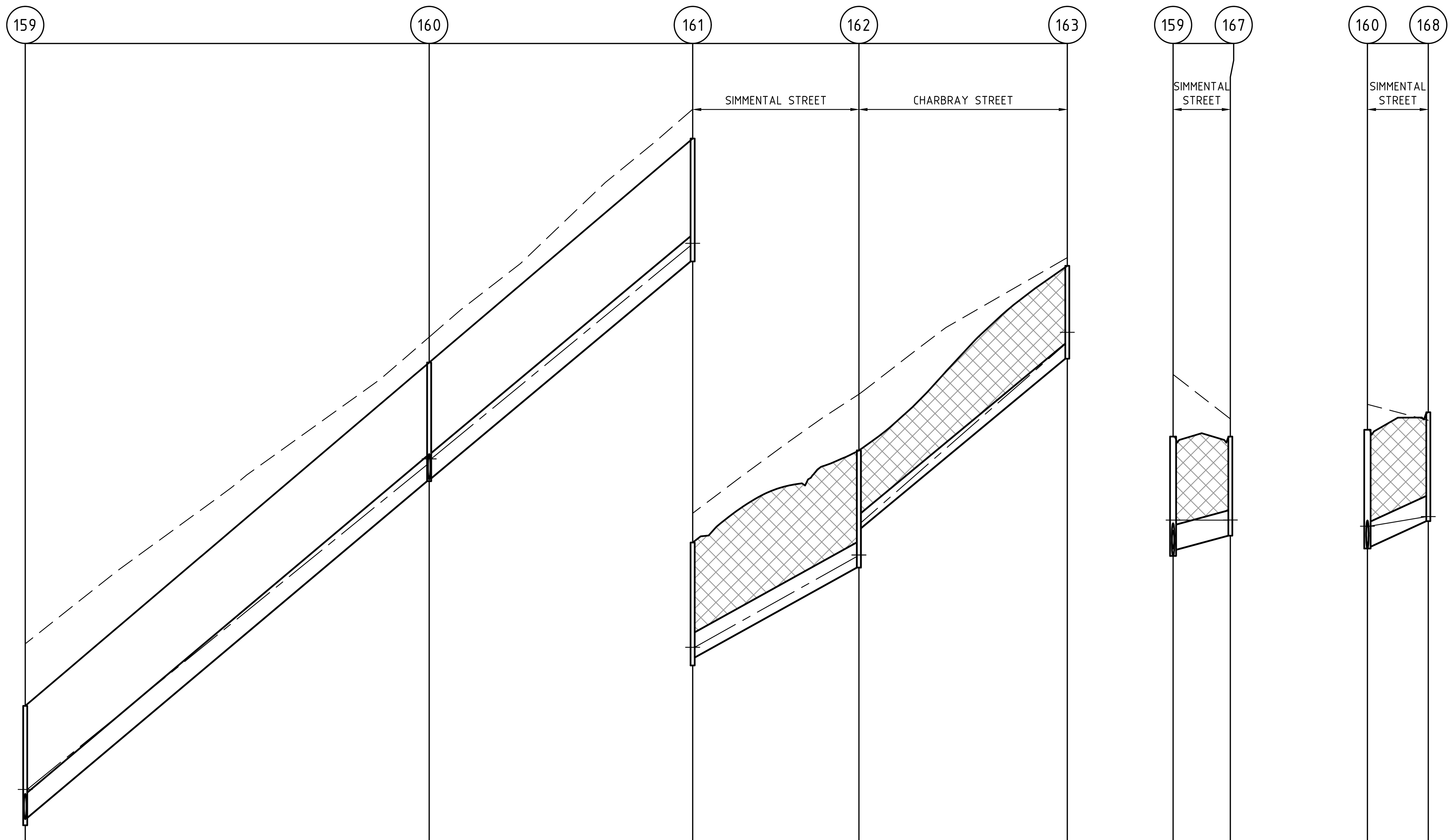
245 MAIN SOUTH ROAD, DROUIN
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
CROSS SECTIONS - SIMMENTAL STREET

Drawing No. 19002-03-09 **Rev G**
Sheet No. 09 of 16

AS CONSTRUCTED

ALL PIPES TO BE RRJ CLASS 2
UNLESS OTHERWISE SHOWN

LEGEND
- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CLASS 2 CRB
- CLASS 3 CRB



Pits 159 – 160 – 161 – 162 – 163

	159–160	160–161	161–162	162–163
PIPE	POLYPROPYLENE	POLYPROPYLENE	RPC	RPC
DESIGN FLOW (m3/s)	0.112	0.067	0.042	0.031
CAPACITY (m3/s)	0.506	0.506	0.413	0.130
AT GRADE VELOCITY (m/s)	4.58	4.58	3.74	3.26
PIPE SIZE (mm)	375Ø	375Ø	375Ø	225Ø
GRADE	1 in 12	1 in 12.1	1 in 18.5	1 in 12.3
DATUM	106.0		112.0	

	159	160	161	162	163
DEPTH TO INVERT	1.773 / 1.663	1.763 / 1.721	1.826 / 1.708	1.742 / 1.157	1.380
HYDRAULIC GRADE LINE	109.500 / 109.721	114.545 / 114.631	117.799 / 117.832	119.180 / 119.203 119.682	122.333 / 122.510
INVERT LEVEL	109.189 / 109.299	114.299 / 114.341	117.562 / 117.680	119.015 / 119.600	122.118
FINISHED SURFACE LEVELS	110.962	116.062	119.388	120.757	123.498
EXISTING SURFACE LEVEL	111.884	116.440	119.823	121.590	123.619
CHAINAGE	180.260	240.260	279.394	304.086	335.038
(Reach Length)	(60.000)	(39.135)	(24.692)	(30.952)	

Pits 159 – 167

	159	167
PIPE	RPC	
DESIGN FLOW (m3/s)	0.009	
CAPACITY (m3/s)	0.296	
AT GRADE VELOCITY (m/s)	2.68	
PIPE SIZE (mm)	375Ø	
GRADE	1 in 40.5	
DATUM	102.0	
DEPTH TO INVERT	1.773 / 1.682	1.472
HYDRAULIC GRADE LINE	109.500 / 109.721	109.720 / 109.722
INVERT LEVEL	109.189 / 109.280	109.490
FINISHED SURFACE LEVELS	110.962	110.962
EXISTING SURFACE LEVEL	111.884	111.225
CHAINAGE	0.000	8.500
(Reach Length)	(8.500)	

Pits 160 – 168

	160	168
PIPE	RPC	
DESIGN FLOW (m3/s)	0.008	
CAPACITY (m3/s)	0.351	
AT GRADE VELOCITY (m/s)	3.18	
PIPE SIZE (mm)	375Ø	
GRADE	1 in 23.8	
DATUM	107.0	
DEPTH TO INVERT	1.763 / 1.736	1.618
HYDRAULIC GRADE LINE	114.545 / 114.631	114.772 / 114.774
INVERT LEVEL	114.299 / 114.326	114.705
FINISHED SURFACE LEVELS	116.062	116.323
EXISTING SURFACE LEVEL	116.440	116.204
CHAINAGE	0.000	9.039
(Reach Length)	(9.039)	

	REVISION	DATE	DES/DFT	APP'D
.	.	.	.	.
.	.	.	.	.
G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
E	AMENDED ALL NEW RETAINING WALLS TO BE NO BIGGER THAN 1M	08/10/21	AC/AC	KT
D	AMENDED AS PER COUNCIL COMMENTS DATED 08/09/21	21/09/21	NG/NG	KT
C	AMENDED AS PER COUNCIL COMMENTS DATED 23/08/21	23/08/21	NG/NG	KT
B	PROVISION OF ROAD NAMES	09/09/21	NG/NG	NI
A	INITIAL ISSUE	11/03/21	NG/NG	KT

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Designed N.Green
Drawn N.Green
Checked K.Taylor
Authorised K.Taylor
Date March 2021

Scale @ A1 H1:500 V1:50
0 5 10 20
0 0.5 1 2
Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
DRAINAGE LONGITUDINAL SECTIONS

Drawing No. 19002-03-10 **Rev G**
Sheet No. 10 of 16

AS CONSTRUCTED

I:\work\19002 - 245 main south road drouin\19002-03\dwgs\19002-03-10

ALL PIPES TO BE RRJ CLASS 2
UNLESS OTHERWISE SHOWN

LEGEND
- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CLASS 2 CRB
- CLASS 3 CRB

PIT SCHEDULE

PIT		INTERNAL		INLET		OUTLET		PIT			
NAME	TYPE	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	STD DWG	REMARKS
159	SIDE ENTRY PIT	0.9	0.6	375	109.299			110.962	1.663	IDM SD440	
160	SIDE ENTRY PIT	0.9	0.6	375 375	114.341 114.326	375	114.299	116.062	1.763	IDM SD440	
161	SIDE ENTRY PIT	0.9	0.6	375	117.680	375	117.562	119.388	1.826	IDM SD440	
162	GRATED PIT	0.9	0.6	225	119.600	375	119.015	120.758	1.743	IDM SD420	BICYCLE SAFE GRATED PIT LID
163	JUNCTION PIT	0.9	0.6			225	122.118	123.498	1.380	IDM SD420	
167	SIDE ENTRY PIT	0.9	0.6			375	109.49	110.962	1.472	IDM SD440	
168	SIDE ENTRY PIT	0.9	0.6			375	114.705	116.323	1.618	IDM SD440	

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Designed
N.Green

Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

Scale @ A1 H1:500 V1:50
0 5 10 20
0 0.5 1 2
Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN

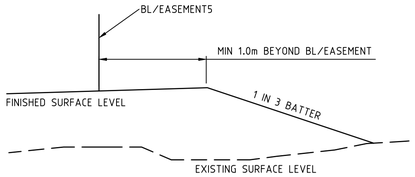
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
DRAINAGE PIT SCHEDULE

Drawing No. 19002-03-11 **Rev G**

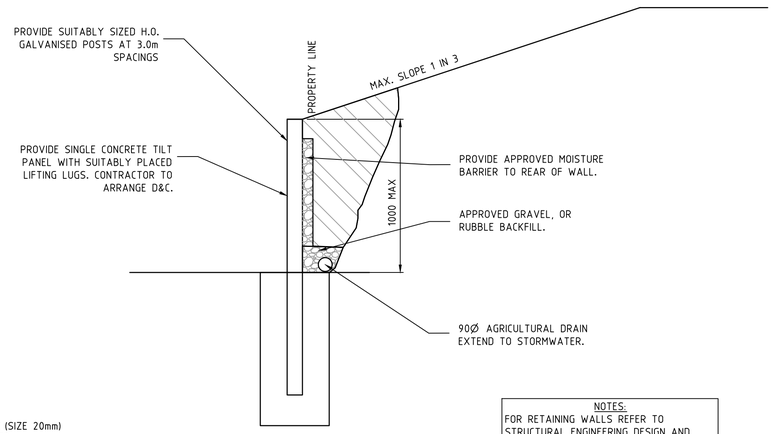
Sheet No. 11 of 16

AS CONSTRUCTED

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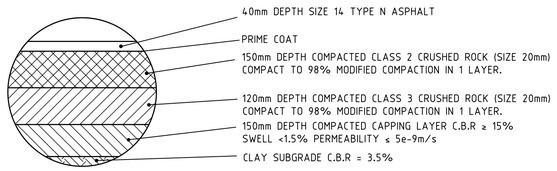


TYPICAL FILL BATTER DETAIL
NOT TO SCALE

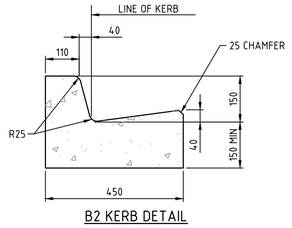


NOTES:
FOR RETAINING WALLS REFER TO STRUCTURAL ENGINEERING DESIGN AND BUILDING PERMIT (BY OTHERS)

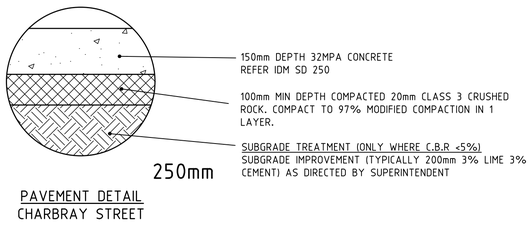
TYPICAL RETAINING WALL DETAIL
(CONTRACTOR D&C)
NOT TO SCALE



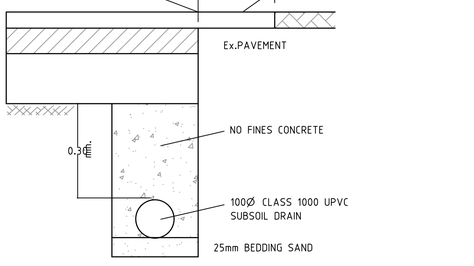
PAVEMENT DETAIL
SIMMENTAL STREET



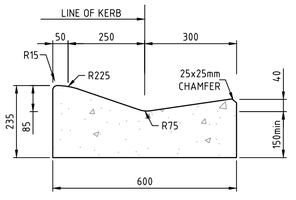
B2 KERB DETAIL
SCALE 1:10



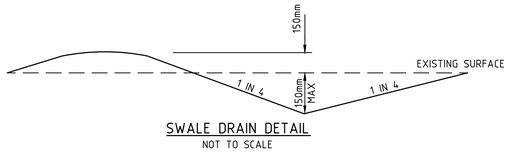
PAVEMENT DETAIL
CHARBRAY STREET



PAVEMENT JOINT DETAIL BETWEEN EXISTING AND NEW PAVEMENT CONSTRUCTION
NOT TO SCALE



SM2-M KERB DETAIL
SCALE 1:10



SWALE DRAIN DETAIL
NOT TO SCALE

GENERAL NOTES

1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
   A. COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
   B. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
   C. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER. THE REMOVAL OR RETENTION OF EXISTING TREES MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS. OTHERWISE, APPROVAL WILL BE REQUIRED FROM THE LANDSCAPE APPROVAL OFFICER.
7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
8. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER. CONDUITS TO BE PLACED A MINIMUM OF 1.4m FROM BOUNDARIES/EASEMENTS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G,W,E AND T ABOVE CONDUIT LOCATIONS AS SPECIFIED. TELSTRA CONDUITS WILL BE SUPPLIED BY TELSTRA AT TELSTRA'S EXPENSE, IN TRENCHES EXCAVATED AND BACKFILLED BY THE CONTRACTOR. TELSTRA SIZE VARIES – WHITE P.V.C.. TELSTRA TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS. GAS AND WATER CONDUITS TO BE 50mm DIA. HEAVY DUTY P.V.C. LAID AT A MINIMUM DEPTH OF 600mm BELOW ROAD FINISHED SURFACE LEVELS.
9. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND ALL KERB AND CHANNEL AS PER COUNCIL SPECIFICATION AND STANDARD DRAWINGS.
10. ALL LINEMARKING, SIGNING & TRAFFIC CONTROL DEVICES FOR THIS PROJECT TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742. ALL LINEMARKING TO BE LONG LIFE THERMOPLASTIC PAINT.
11. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
12. THE CONTRACTOR SHALL CO-OPERATE WITH OTHER AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER THE EXACT LOCATION OF ALL SERVICES PRIOR TO THE INSTALLATION OF CONDUITS.
13. ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE.
14. FILLING IN PROPERTIES AND ROAD RESERVE IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL AND ALL VEGETABLE MATTER TO BE STRIPPED FROM FILL SITE PRIOR TO FILLING. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAX. DRY DENSITY UNDER THE STANDARD AASHO TEST. ALL FILLING TO COMPLY WITH AS 3798/1996, APPENDIX B , LEVEL 1. IF ANY EXISITNG SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE, IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL COMPACTED TO COUNCIL REQUIREMENTS. A GEOTECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
15. THE NATURE STRIPS AND CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL. IF THE LOCAL SOIL IS NOT SUITABLE, APPROVED SOIL SHALL BE IMPORTED AT THE CONTRACTOR'S EXPENSE.
16. UNLESS OTHERWISE SHOWN, BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 3 CUT AND 1 IN 6 FILL. CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULTION
17. LOTS SHALL BE GRADED TO ENSURE A MINIMUM GRADE OF 1 IN 150 ON THE LOWEST SIDE BOUNDARY TO THE POINT OF DRAINAGE.
18. ALL 150Ø PIPE TO BE PVC (Sn10), 225Ø TO 900Ø INCLUSIVE TO BE RRJ R.C. ALL R.C PIPES TO BE CLASS 2 UNLESS NOTED OTHERWISE.
19. STORMWATER DRAINS UNDER PAVEMENTS ARE TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK.
20. STORMWATER DRAINS UNDER FOOTPATHS, DRIVEWAYS AND BEHIND KERB WHERE SIDE OF TRENCH COMES WITHIN 150mm OF THE BACK OF KERB TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK, UNLESS SHOWN OTHERWISE.
21. ALL HOUSE DRAINS ARE TO BE CONNECTED DIRECT TO AN UNDERGROUND DRAIN OR PIT. CONNECT HOUSE DRAIN AS PER INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWING SD 515 & SD 520. OFFSET 1m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE INDICATED.
22. PROPERTY INLET PITS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE SHOWN. INVERT LEVEL OF PROPERTY INLET IS TO BE A MINIMUM OF 400mm BELOW FINISHED/EXISTING SURFACE LEVEL. A PROPERTY INLET GULLY BASIN IS NOT REQUIRED AT PROPERTY INLET POINTS.
23. DRIVEWAYS ARE PROVISIONAL ITEMS AND SHOWN ON PLAN ONLY TO INDICATE PREFERED LOCATIONS. DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS SD 240 & SD 245. DRIVEWAYS TO BE LOCATED 0.60m FROM BUILDING LINE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.2m AT FRONT OF PATH/BUILDING LINE
24. ALL FOOTPATHS, SHARED PATHS AND OR BICYCLE PATHS ARE TO BE 125mm THICK 25Mpa SL72 MESH REINFORCEMENT PLACED CENTRALLY WITH 50mm BEDDING AS PER INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS SD 205 & SD 210.
25. ALL STREET SIGNS ARE TO BE TO CURRENT BAW BAW SHIRE COUNCIL STANDARD, INCLUDING PROVISION OF LOGO.
26. SIGNS, PAVEMENT MARKINGS AND DELINEATORS ARE TO BE INSTALLED AS APPLICABLE IN ACCORDANCE WITH AS1742.2. ALL PAVEMENT MARKINGS TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
27. NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE.
28. ANY SOFT ROCK USED IS TO CONFORM TO THE BAW BAW SHIRE COUNCIL SPECIFICATION FOR RIPPED ROCK.
29. APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIODS.
30. CONCRETE TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 200mm. DISTRIBUTION PITS TO BE A MINIMUM OF 300mm FROM EDGE OF FOOTPATHS.
31. UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP AND GRADED OVER. ALL RUBBISH IS TO BE REMOVED AND THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER.
32. ALL KERB AND CHANNEL THROUGHOUT THE ESTATE IS TO BE AS PER THE DESIGN PLANS. INTERSECTION KERB AND CHANNEL IS TO BE SEMI-MOUNTABLE (SM2-M). EXCEPT WHERE ABUTTING A RESERVE WHERE IT IS TO BE B2 INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWING SD 100.
33. TACTILE PAVERS ARE PROVISIONAL ITEMS AND POSSIBLE LOCATIONS SHOWN. CONTRACTOR TO WHEREVER POSSIBLE MEET PRAM CROSSING GRADES WHICH NEGATES THE NEED FOR TACTILES IF INSTALLED, TACTILED PAVERS AND GRADES ARE BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1428.4.
34. EXISTING OPEN DRAIN TO BE EXCAVATED TO REMOVE ALL SOFT MATERIAL TO A WIDTH OF A MINIMUM 1m WIDER THAN THE DRAIN AND A MINIMUM DEPTH OF 300MM. THE EXCAVATED AREA SHALL BE INSPECTED AT THIS POINT TO DETERMINE WHETHER FURTHER EXCAVATION IS NECESSARY.

ORIGIN ENERGY - STANDARD NOTES

1. GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY ORIGIN ENERGY.
2. EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
3. TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE RELEVANT AUTHORITY.

REINFORCED CONCRETE PIPE

- ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER.
- COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

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E	AMENDED ALL NEW RETAINING WALLS TO BE NO BIGGER THAN 1M	08/10/21	AC/AC	KT
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Date
March 2021

Scale @ A1 N/A

Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
GENERAL NOTES & DETAILS

Drawing No. 19002-03-12 **Rev G**
Sheet No. 12 of 16

AS CONSTRUCTED

I:\work\19002 - 245 main south road drouin\19002-03\dwgs\19002-03-12



NBN/TELECOMMUNICATIONS INFRASTRUCTURE PLACED IN THE FOOTPATH IS THE RESPONSIBILITY OF THE ASSET OWNER AND NOT COUNCIL.

WARNING

BEWARE OF UNDERGROUND SERVICES

The locations 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.
Locate all underground services before commencement of works

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ROAD LAYOUT TABLE

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
CHARBRAY STREET	LOCAL	14.00	5.50	N/A	N/A	N/A	N/A	3.25	5.25
SIMMENTAL STREET	LOCAL	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05
SIMMENTAL STREET	LOCAL	14.00	6.70	7.30	7.75	B2	SM2-M	1.20	5.05

SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		WATER		ELECTRICITY		TELECOMMUNICATIONS	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
CHARBRAY STREET	SOUTH	2.10	SOUTH	2.60	SOUTH	3.80	SOUTH	3.20
SIMMENTAL STREET (16m)	SOUTH	2.10	SOUTH	2.60	NORTH	2.50	NORTH	1.80
SIMMENTAL STREET (14m)	EAST	2.10	EAST	2.60	EAST	3.60	EAST	3.20

	REVISION	DATE	DES/DFT	APP'D
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G	RETAINING WALL PLAN AMENDED (LOT 3002)	15/12/23	AC/AC	KT
F	AS CONSTRUCTED ISSUE	30/01/23	AC/AC	KT
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A	INITIAL ISSUE	11/03/21	NG/NG	KT

Principal
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Designed
N.Green

Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

N

Scale @ A1 1:500
0 5 10 20

Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN

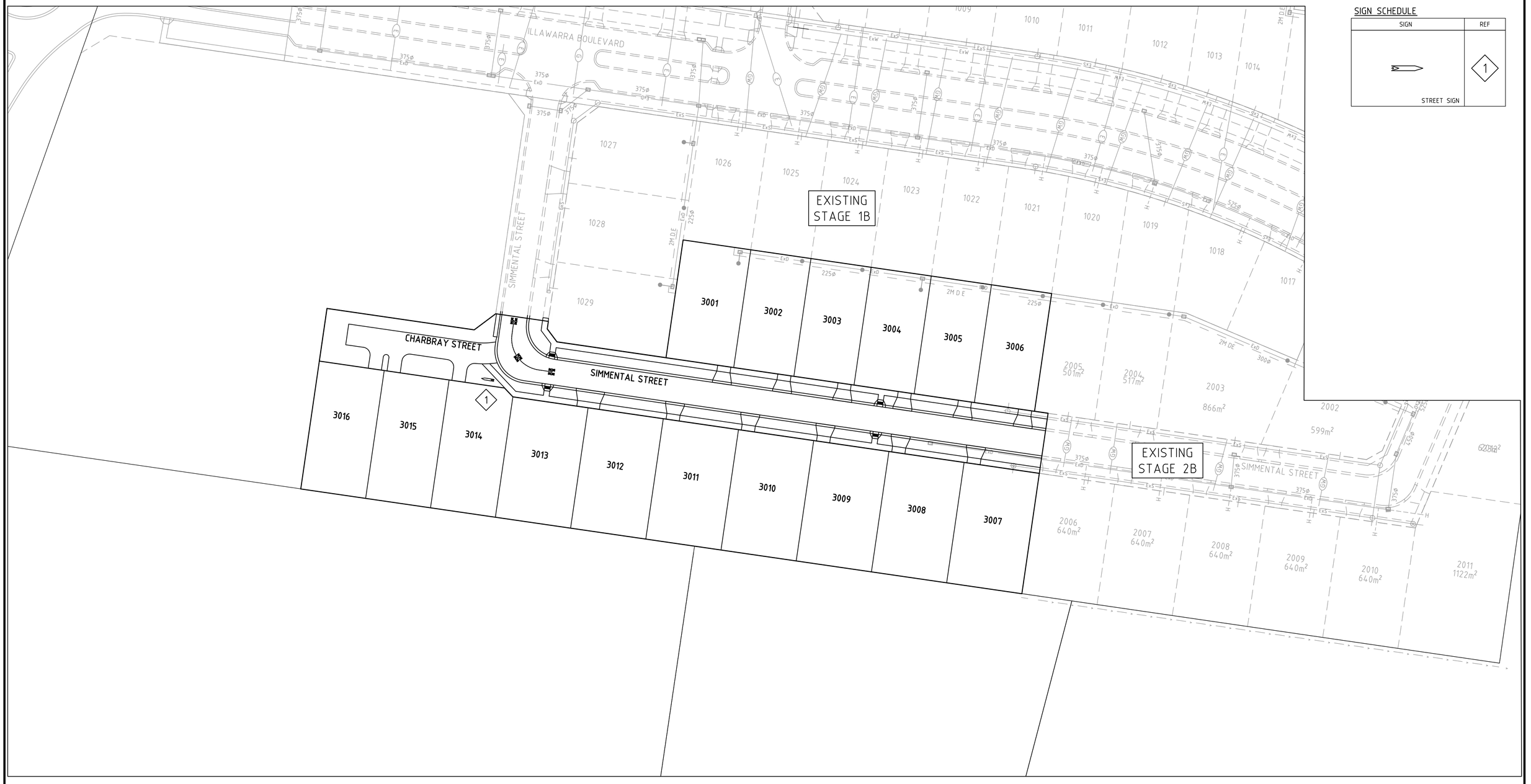
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
MASTER SERVICES PLAN

Drawing No. 19002-03-13 **Rev G**

Sheet No. 13 of 16

AS CONSTRUCTED

I:\work\19002 - 245 main south road drouin\19002-03\dwgs\19002-03-13



SIGN SCHEDULE

SIGN	REF
STREET SIGN	1

ALL STREET NAME PLATES TO BE IN ACCORDANCE WITH BAW BAW SHIRE COUNCIL STANDARD DRAWINGS BBSSTD 602

WARNING

BEWARE OF UNDERGROUND SERVICES

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No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works

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245 MAIN SOUTH ROAD, DROUIN

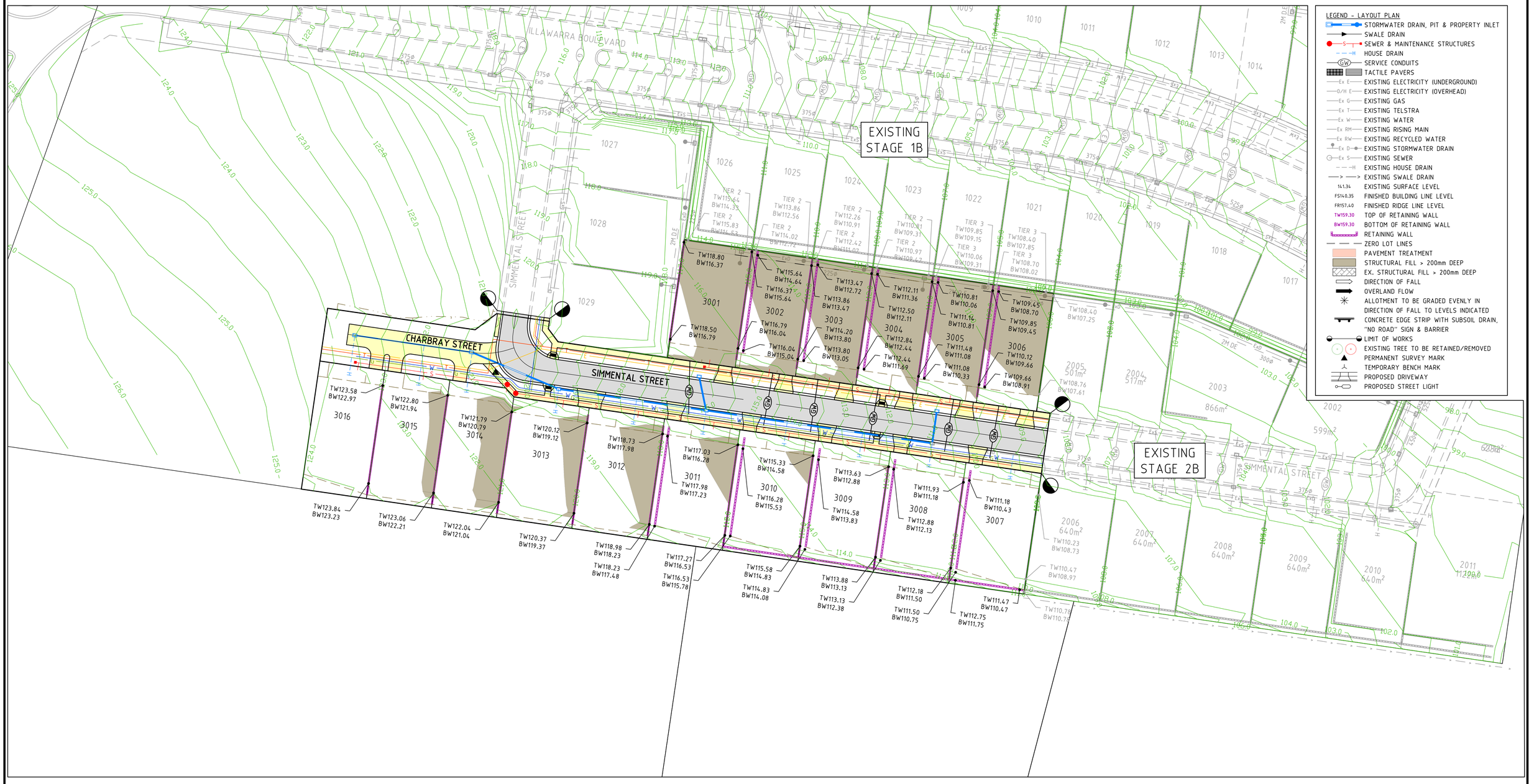
STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
SIGNAGE & LINEMARKING PLAN

Drawing No. 19002-03-14 **Rev G**

Sheet No. 14 of 16

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LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RISING MAIN
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE RETAINED/REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- PROPOSED STREET LIGHT

WARNING

THE PROPOSED RETAINING WALL ALIGNMENTS CROSS PROPOSED EASEMENTS. CONTRACTOR IS TO ENSURE NO POSTS ARE PLACED WITHIN AN EASEMENT WHERE THE RETAINING WALL RUNS PERPENDICULAR TO AN EASEMENT.

NOTE

WHERE ABUTTING STAGE REQUIRES RETAINING WALLS, CONTRACTOR IS TO REFER TO THE ASSOCIATED RETAINING WALL PLAN FOR EACH STAGE AND CONSTRUCT ALL RETAINING WALLS REQUIRED TO FACILITATE THE CONSTRUCTION OF STAGE 1A & 1B RETAINING WALLS. CONTRACTOR IS TO PLACE RETAINING WALL POST AT ALL LOCATIONS WHERE A PROPOSED RETAINING WALL INTERSECTS A FUTURE RETAINING WALL.

WARNING

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Drawn
N.Green

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

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Coords: MGA Levels: AHD

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245 MAIN SOUTH ROAD, DROUIN

STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
RETAINING WALL PLAN

Drawing No. 19002-03-15 **Rev G**

Sheet No. 15 of 16

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STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
LOT BENCHING PLAN

Drawing No. 19002-03-16 **Rev G**

Sheet No. 16 of 16

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245 MAIN SOUTH ROAD, DROUIN

STAGE 3
BAW BAW SHIRE COUNCIL - PLA0354/18
ROADWORKS AND DRAINAGE
CATCHMENT PLAN

Drawing No. 19002-03-80 **Rev G**
Sheet No. 01 of 01

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