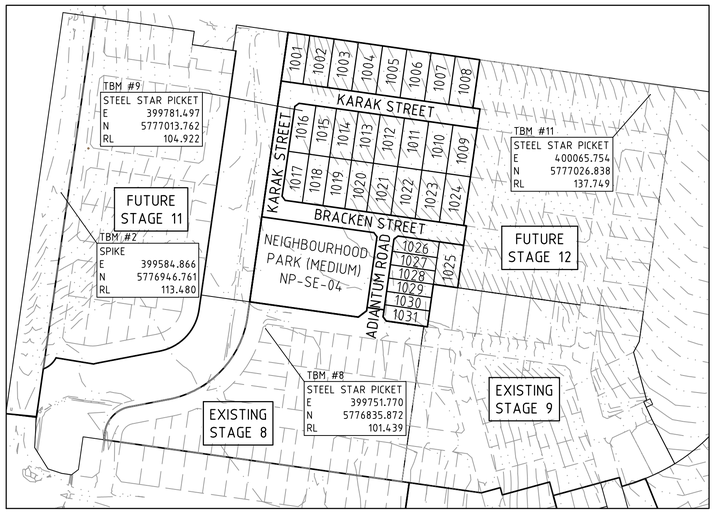
WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN

Baw Baw Shire Council - PLA0323/16



LOCALITY PLAN

VIC ROADS REF: 706 E10

DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal

Bernly Investments Pty Ltd

P.O Box 342

Berwick, VIC, 3806

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1525-10-09	Cross Sections - Karak Street	CH75.944 - CH103.819
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1525-10-22	Master Services Plan	
1525-10-23	Signage & Linemarking Plan	
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TaylorMiller.

Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au

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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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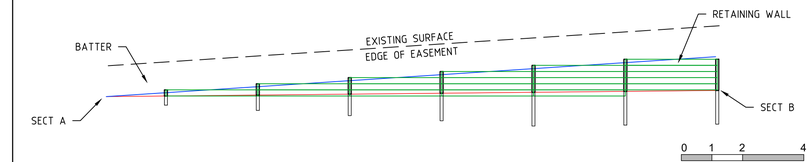
NOTES

1. THE DRIVEWAYS FOR LOTS 1021, 1022 & 1026 MUST BE CONSTRUCTED BY THE DEVELOPER AS PER PLANNING PERMIT CONDITION 37 (I)
2. A 1.8m STANDARD CAPPED PALING FENCE IS TO BE CONSTRUCTED ALONG THE NORTHERN BOUNDARY OF LOT 1026
3. A 1.8m STANDARD CAPPED PALING FENCE IS TO BE CONSTRUCTED ALONG THE WESTERN BOUNDARY OF LOT 1001 (BETWEEN LOT AND RESERVE)

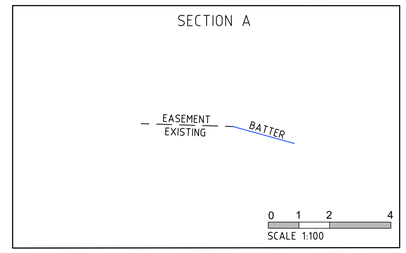
LEGEND - LAYOUT PLAN

- 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
- 14.1.34 EXISTING SURFACE LEVEL
- FS14.0.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- TW159.30 TOP OF RETAINING WALL
- BW159.30 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

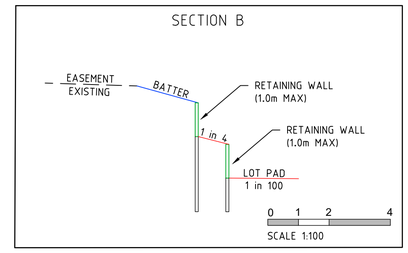
TYPICAL RETAINING WALL SECTION AT NORTHERN BOUNDARY (LOTS 1002 - 1008)



SECTION A



SECTION B



SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		WATER		ELECTRICITY		TELECOMMUNICATIONS	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
KARAK STREET (LOTS 1001 - 1008)	NORTH	2.10	NORTH	2.60	SOUTH	2.30	SOUTH	1.80
KARAK STREET (LOTS 1016 & 1017)	EAST	3.10	EAST	3.60	EAST	2.10	EAST	2.60
BRACKEN STREET	NORTH	2.10	NORTH	2.60	SOUTH	2.30	SOUTH	1.80
ADIANTIUM ROAD	EAST	3.10	EAST	3.60	EAST	2.10	EAST	2.60

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
KARAK STREET (LOTS 1001 - 1008)	ACCESS STREET	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05
KARAK STREET (LOTS 1016 & 1017)	ACCESS STREET	14.00	6.70	7.30	7.75	B2	SM2-M	1.15	5.10
BRACKEN STREET (LOTS 1017 - 1021)	ACCESS STREET	16.00	6.70	7.30	7.75	SM2-M	B2	4.05	4.20
BRACKEN STREET (LOTS 1021 - 1024)	ACCESS STREET	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05
ADIANTIUM ROAD	ACCESS STREET	14.00	6.70	7.30	7.75	B2	SM2-M	1.05	5.20

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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
D	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 07/09/2021	17/09/21	AC/AC	KT
C	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 17/08/2021	19/08/21	AC/AC	KT
B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT
REVISION		DATE	DES/DFT	APP'D

DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed A.Cantwell
Drawn A.Cantwell
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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Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au

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WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
LAYOUT PLAN

Drawing No. 1525-10-02 **Rev F**

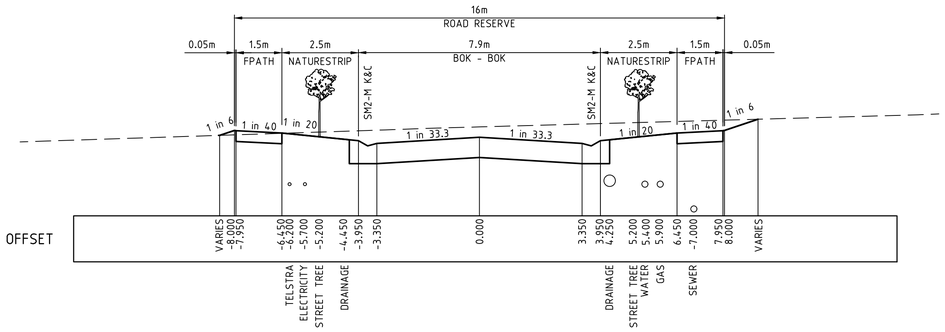
Sheet No. 02 of 24

AS CONSTRUCTED

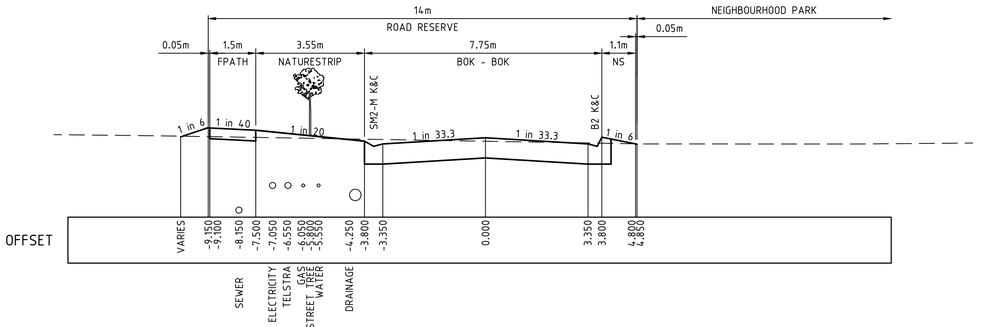
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

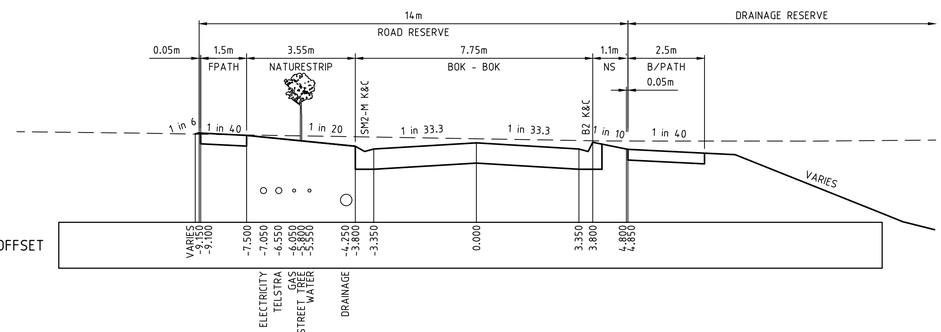
LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



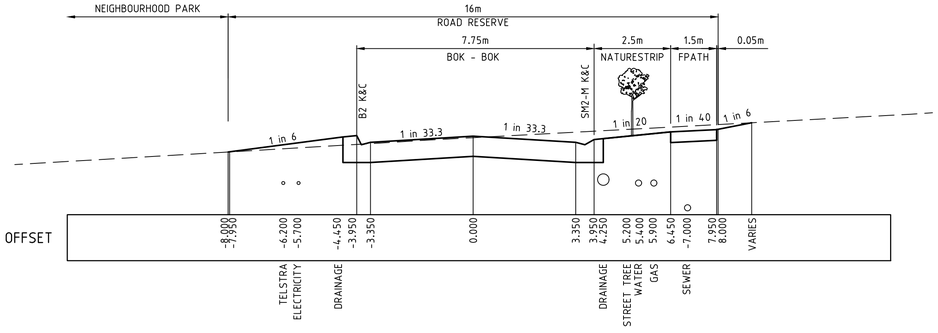
KARAK STREET & BRACKEN STREET (LOTS 1022-1025)



ADIANTUM ROAD



KARAK STREET & BRACKEN STREET (ALONGSIDE WATERWAY)



BRACKEN STREET (LOTS 1017-1021)

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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
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B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT
REVISION		DATE	DES/DFT	APP'D

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DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

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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Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au
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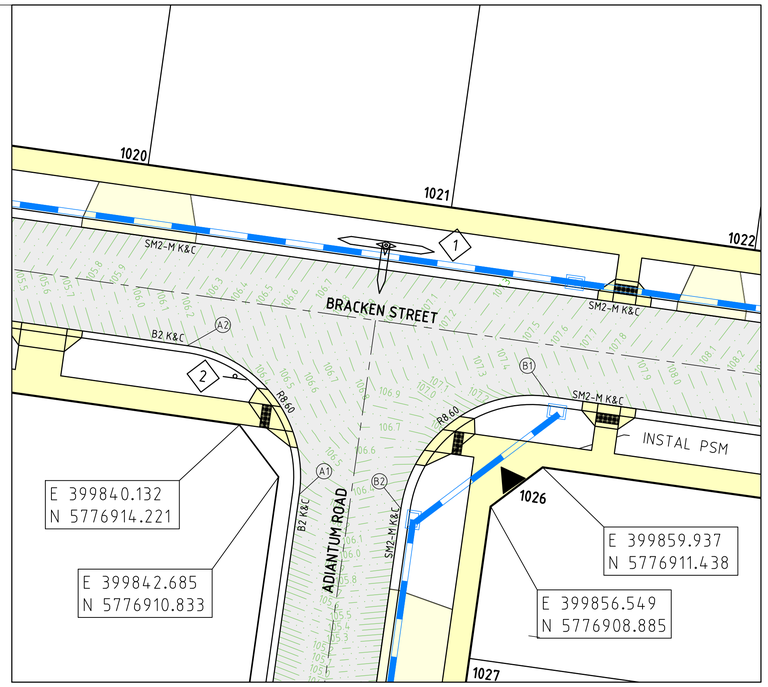
WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
TYPICAL CROSS SECTIONS

Drawing No. 1525-10-03 **Rev F**

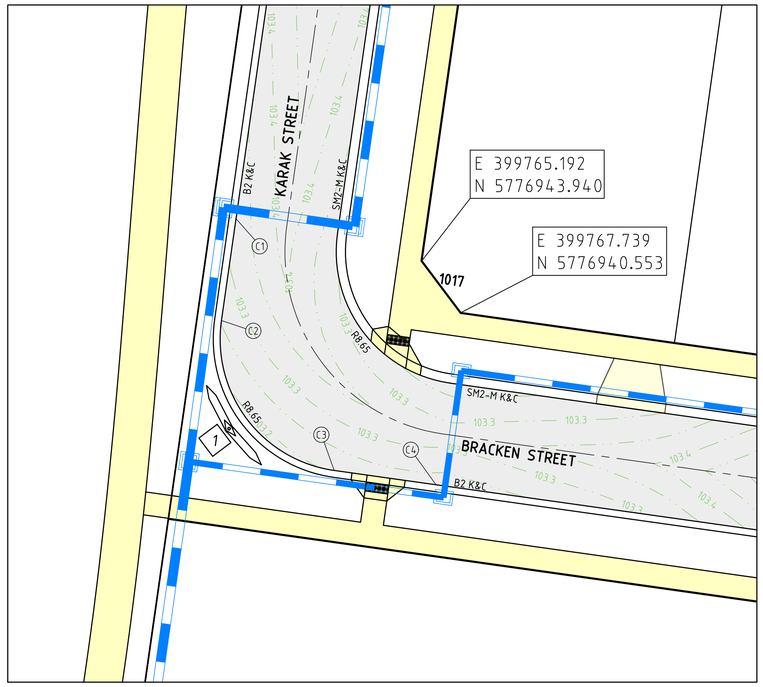
Sheet No. 03 of 24

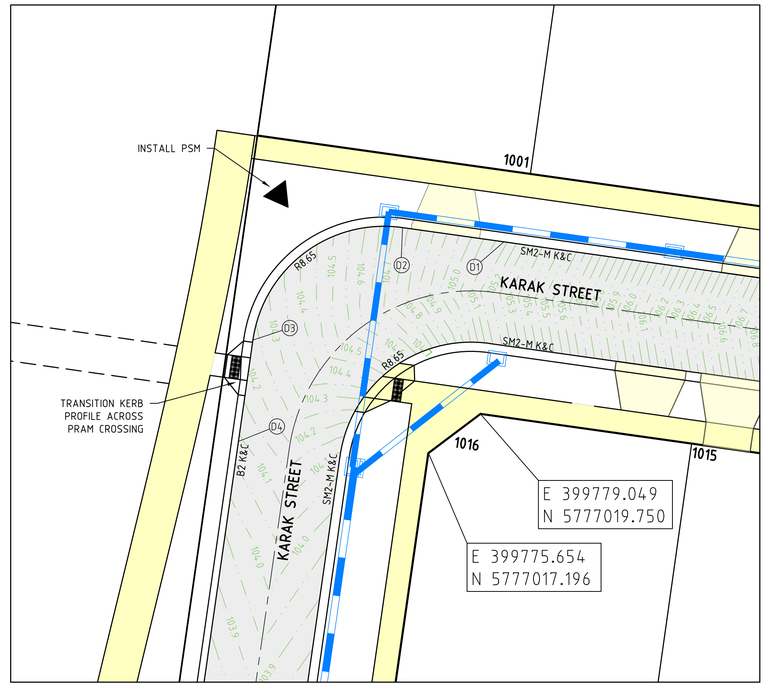
AS CONSTRUCTED



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SCALE 1 IN 200





NOTES
1. REFER TO SHEET No's 1525-10-05 FOR LIP PROFILES.
2. REFER TO SHEET No's 1525-10-05 FOR SETOUT INFORMATION.
3. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPM'S AT MAX 6m SPACING.

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

SIGN SCHEDULE

SIGN	REF
STREET SIGN	1
GIVE WAY R1-2	2

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Locate all underground services before commencement of works
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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
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C	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 17/08/2021	19/08/21	AC/AC	KT
B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT
REVISION		DATE	DES/DFT	APP'D

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DROUIN - 2018 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

N

Scale @ A1

Coords: MGA Levels: AHD

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(03) 5622 0606
taylormiller.com.au
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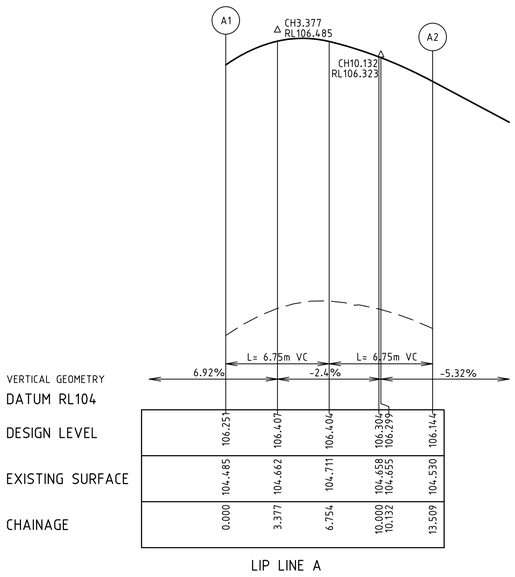
WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
INTERSECTION PLAN

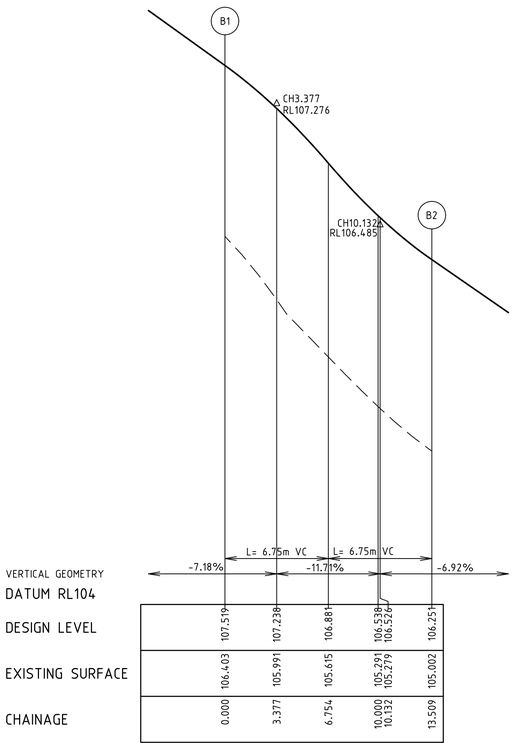
Drawing No. 1525-10-04 **Rev F**

Sheet No. 04 of 24

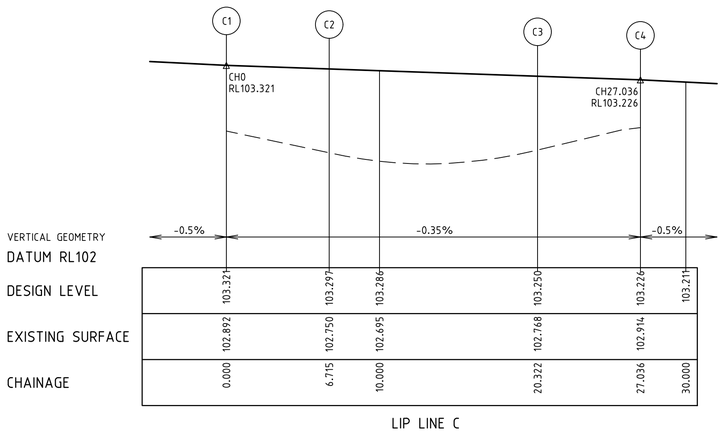
AS CONSTRUCTED



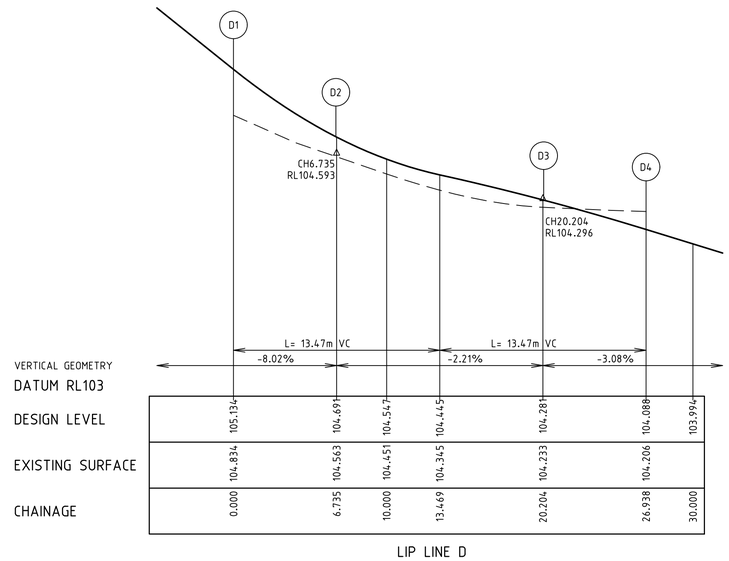
LIP LINE A



LIP LINE B



LIP LINE C



LIP LINE D

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE

NOTES
1. CHAINAGES REFER TO LIP OF KERB/EDGE OF CONCRETE.

ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	399844.039	5776909.683	106.251
A2	399836.719	5776919.397	106.144

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
A1 - A2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	106.404

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	399860.387	5776916.070	107.519
B2	399850.673	5776908.751	106.251

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
B1 - B2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	106.881

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	399753.059	5776946.690	103.321
C2	399752.109	5776940.042	103.297
C3	399759.469	5776930.254	103.250
C4	399766.118	5776929.319	103.226

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C2 - C3	90.128	8.650	13.607	2.540	1.880	3.315	2.809	3.402	103.273

ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	399780.570	5777030.997	105.134
D2	399773.950	5777031.928	104.694
D3	399764.183	5777024.585	104.280
D4	399763.238	5777017.967	104.088

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
D2 - D3	89.872	8.650	13.568	2.527	1.870	3.306	2.804	3.392	104.445

KARAK STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
0.000	399761.461	5776981.828	8°07'40"	
36.027	399766.555	5777017.493	8°07'40"	TC
36.364	399766.607	5777017.826	9°44'09"	
39.394	399767.489	5777020.717	24°12'16"	
42.424	399769.065	5777023.295	38°40'24"	
45.455	399771.236	5777025.398	53°08'31"	
48.485	399773.863	5777026.892	67°36'38"	
51.515	399776.780	5777027.682	82°04'45"	
54.545	399779.802	5777027.718	96°32'52"	
54.850	399780.104	5777027.680	98°00'01"	CT
100.000	399824.815	5777021.396	98°00'01"	
200.000	399923.842	5777007.479	98°00'01"	
300.000	400022.869	5776993.561	98°00'01"	
313.084	400035.825	5776991.740	98°00'01"	

BRACKEN STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
0.000	399761.461	5776981.828	188°07'40"	
35.973	399756.375	5776946.216	188°07'40"	TC
36.364	399756.326	5776945.829	186°15'52"	
39.394	399756.377	5776942.807	171°47'44"	
42.424	399757.182	5776939.894	157°19'37"	
45.455	399758.689	5776937.274	142°51'30"	
48.485	399760.803	5776935.114	128°23'23"	
51.515	399763.389	5776933.551	113°55'16"	
54.545	399766.284	5776932.683	99°27'09"	
54.850	399766.585	5776932.637	98°00'01"	CT
100.000	399811.295	5776926.352	98°00'02"	
200.000	399910.322	5776912.434	98°00'02"	
300.000	400009.349	5776898.515	98°00'02"	
313.244	400022.464	5776896.672	98°00'02"	

ADIANTUM ROAD DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING
0.000	399849.019	5776921.050	188°00'02"
85.999	399837.050	5776835.888	188°00'02"

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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
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B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT
REVISION		DATE	DES/DFT	APP'D

DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

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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TaylorMiller.
Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au
Engineering Design | Development Coordination | Construction Management

WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
LIP PROFILES & SETOUT INFORMATION

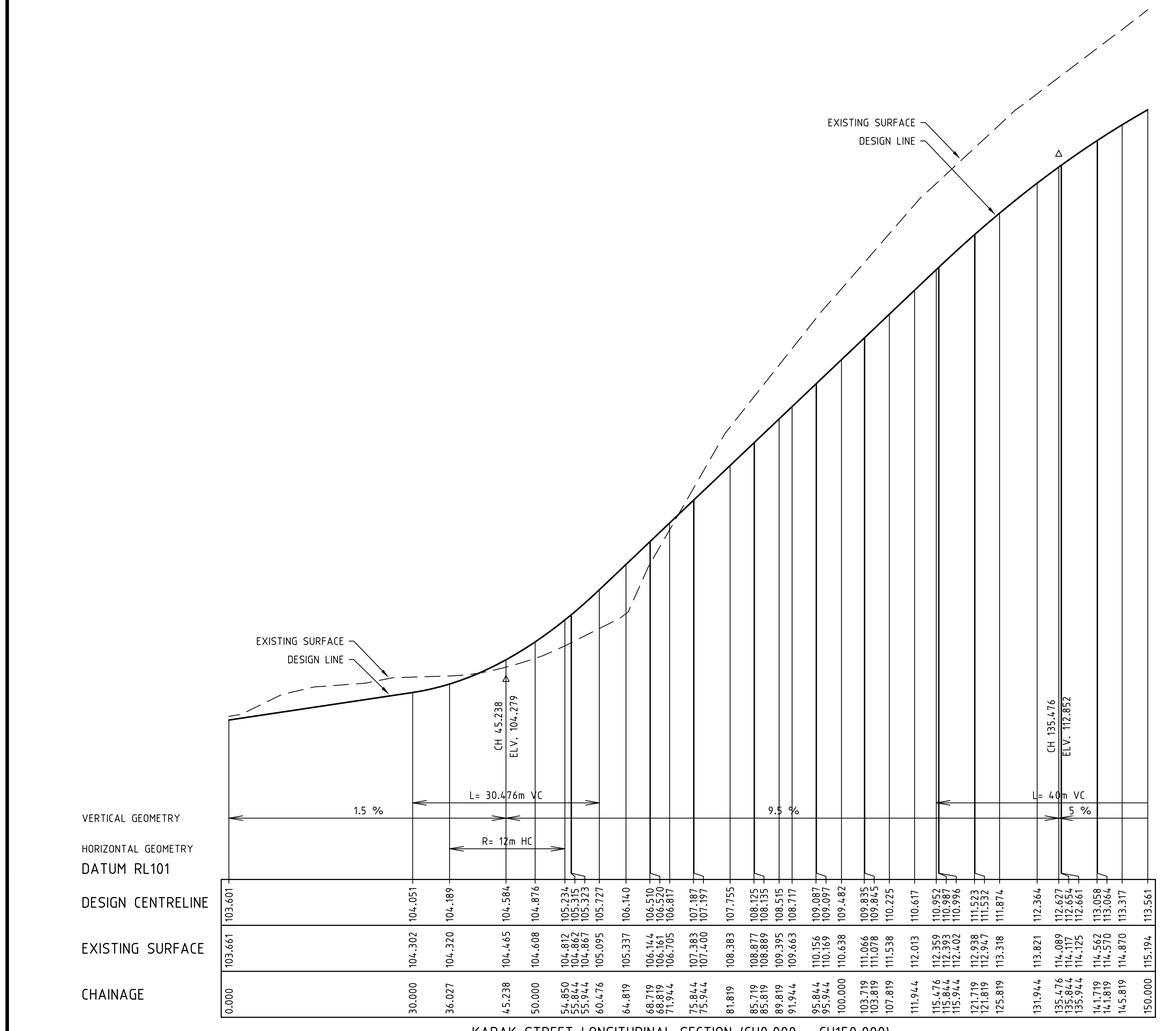
Drawing No. 1525-10-05 **Rev F**

Sheet No. 05 of 24

AS CONSTRUCTED

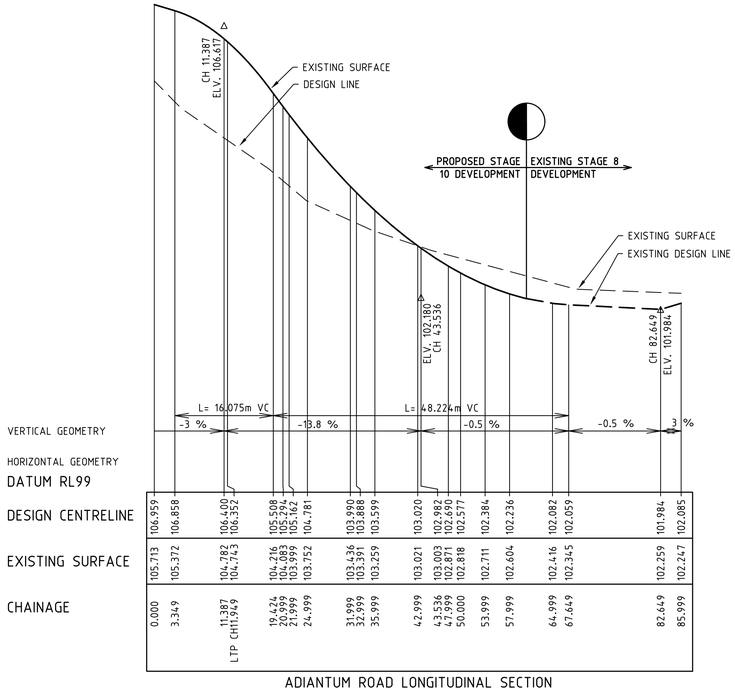
I:\work\1525 - weebar rd drouin\1525-10\dwg\1525-10-05

LEGEND
EXISTING SURFACE
DESIGN LINE
FUTURE DESIGN LINE



| | | |

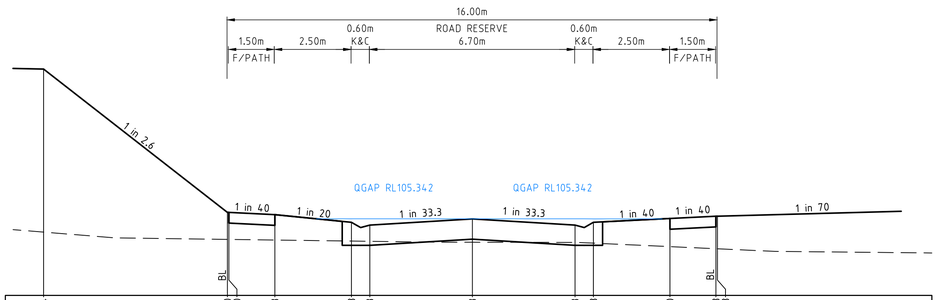
LEGEND
EXISTING SURFACE
DESIGN LINE
FUTURE DESIGN LINE



| | | |

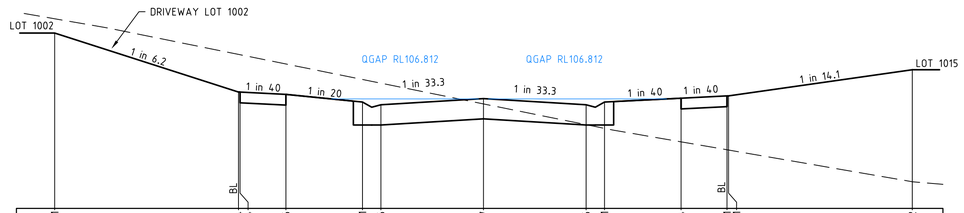
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



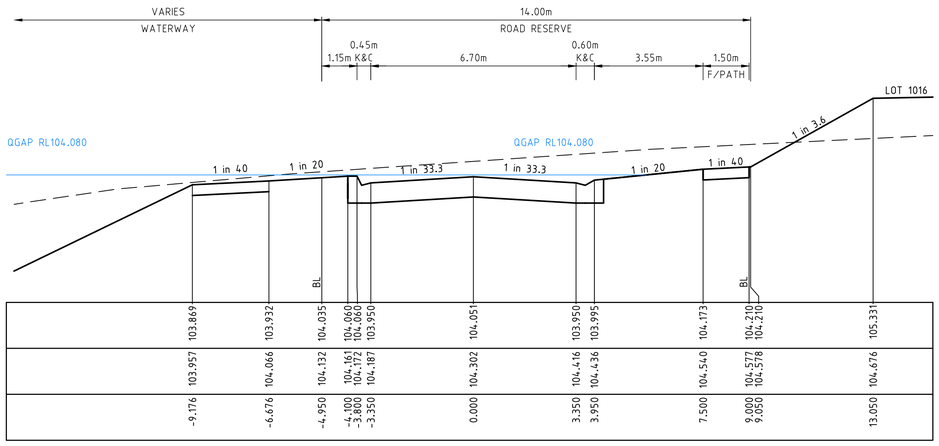
DATUM104.0																		
DESIGN SURFACE	107.694	105.430	105.430	105.393	105.268	105.223	105.323	105.223	105.268	105.330	105.368	105.368						
EXISTING SURFACE	105.033	104.914	104.913	104.903	104.886	104.882	104.867	104.864	104.853	104.796	104.762	104.761						
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000						

CH 55.944



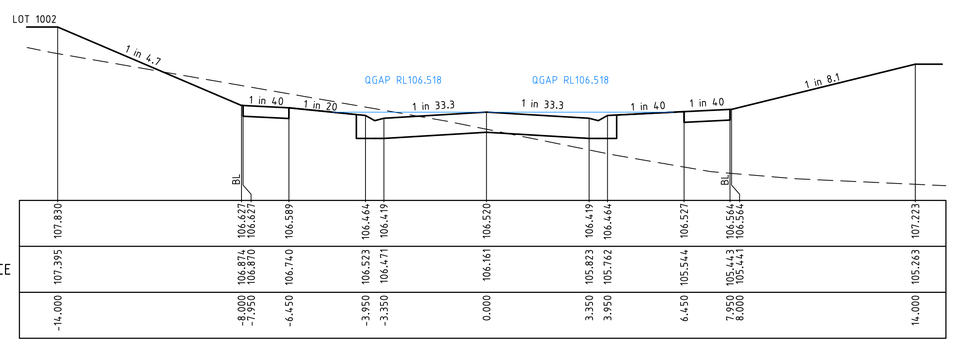
DATUM105.0																		
DESIGN SURFACE	107.861	106.924	106.924	106.886	106.761	106.716	106.817	106.716	106.761	106.824	106.861	106.861	107.262					
EXISTING SURFACE	108.095	107.513	107.508	107.356	107.104	107.043	106.705	106.366	106.306	106.086	105.957	105.952	105.435					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 71.944



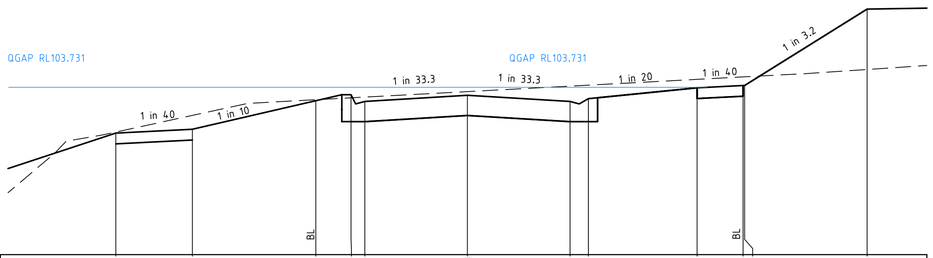
DATUM102.0																		
DESIGN SURFACE	103.869	103.932	104.035	104.060	104.060	103.950	104.051	103.950	103.995	104.173	104.210	104.210	105.331					
EXISTING SURFACE	103.957	104.066	104.132	104.161	104.172	104.187	104.302	104.416	104.436	104.540	104.577	104.578	104.676					
OFFSET	-9.176	-6.676	-4.950	-4.100	-3.800	-3.350	0.000	3.350	3.950	7.500	9.000	9.050	13.050					

CH 30.000



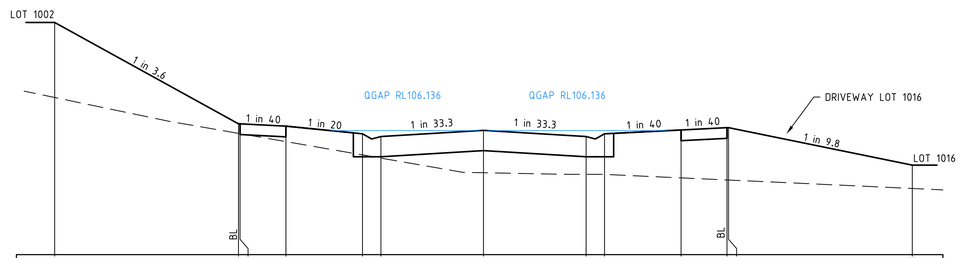
DATUM105.0																		
DESIGN SURFACE	107.830	106.627	106.627	106.589	106.464	106.419	106.520	106.419	106.464	106.527	106.564	106.564	107.223					
EXISTING SURFACE	107.395	106.874	106.870	106.740	106.523	106.471	106.161	105.823	105.762	105.544	105.443	105.441	105.263					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 68.819



DATUM101.0																		
DESIGN SURFACE	102.984	103.046	103.512	103.610	103.500	103.601	103.500	103.545	103.723	103.760	103.760	105.007						
EXISTING SURFACE	103.001	103.272	103.523	103.559	103.571	103.661	103.750	103.766	103.861	103.801	103.902	104.022						
OFFSET	-11.487	-8.987	-4.950	-3.800	-3.350	0.000	3.350	3.950	7.500	9.000	9.050	13.050						

CH 0.000



DATUM104.0																		
DESIGN SURFACE	107.790	106.247	106.247	106.209	106.084	106.039	106.140	106.039	106.084	106.147	106.184	106.184	105.461					
EXISTING SURFACE	106.565	105.979	105.975	105.845	105.628	105.576	105.337	105.311	105.310	105.253	105.219	105.218	105.080					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 64.819

REVISION	DATE	DES/DFT	APP'D
. .	.	.	.
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. .	.	.	.
F AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
D AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 07/09/2021	17/09/21	AC/AC	KT
C AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 17/08/2021	19/08/21	AC/AC	KT
B AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A INITIAL ISSUE	11/03/21	AC/AC	KT

DROUIN 3818 FERNTREE RIDGE GIPPSLAND

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

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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Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au
Engineering Design | Development Coordination | Construction Management

WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
CROSS SECTIONS - KARAK STREET
CH0.000 - CH71.944

Drawing No. 1525-10-08 **Rev F**

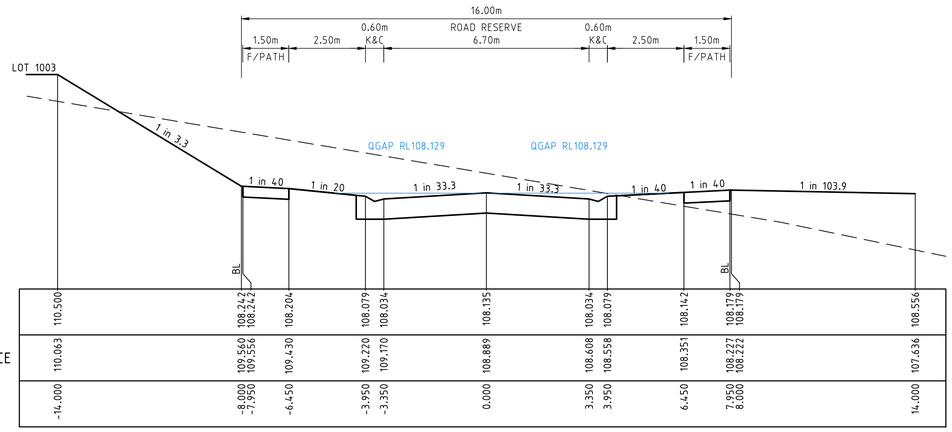
Sheet No. 08 of 24

AS CONSTRUCTED

I:\work\1525 - weebar rd drouin\1525-10\dwgs\1525-10-08

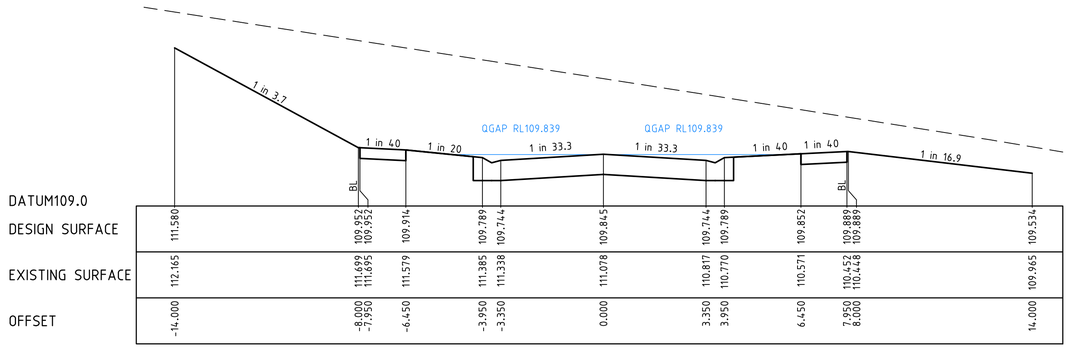
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



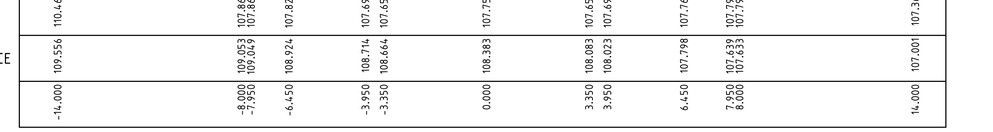
DATUM107.0																		
DESIGN SURFACE	110.500	108.242	108.242	108.204	108.079	108.034	108.135	108.034	108.079	108.142	108.179	108.179	108.556					
EXISTING SURFACE	110.063	109.560	109.556	109.430	109.220	109.170	108.889	108.608	108.558	108.351	108.227	108.222	107.636					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 85.819



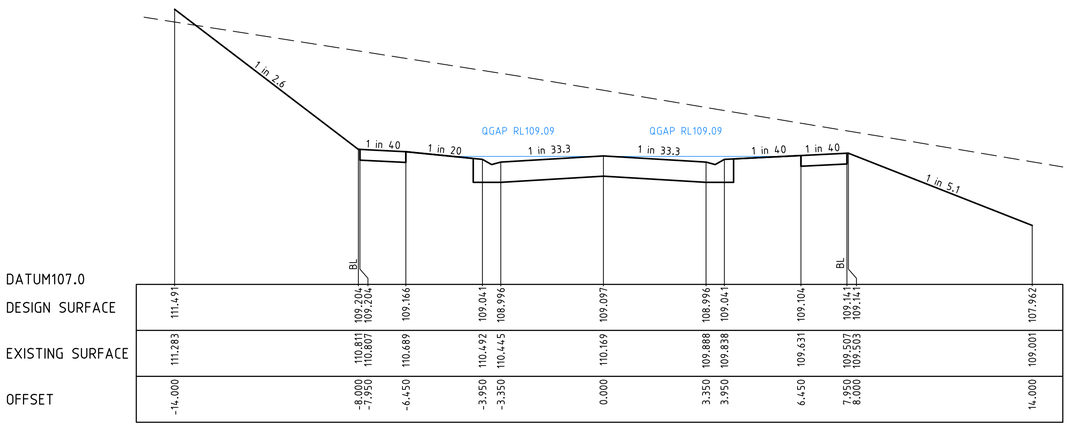
DATUM109.0																		
DESIGN SURFACE	111.580	109.952	109.952	109.914	109.789	109.744	109.845	109.744	109.789	109.852	109.889	109.889	109.534					
EXISTING SURFACE	112.165	111.699	111.695	111.579	111.385	111.338	111.078	110.817	110.770	110.571	110.452	110.448	109.965					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 103.819



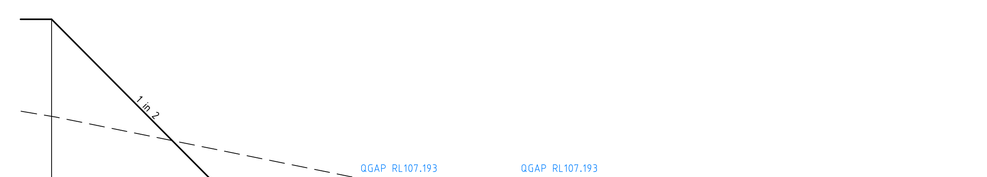
DATUM106.0																		
DESIGN SURFACE	110.460	107.862	107.862	107.824	107.699	107.654	107.755	107.654	107.699	107.762	107.799	107.799	107.361					
EXISTING SURFACE	109.556	109.053	109.049	108.924	108.714	108.664	108.383	108.083	108.023	107.798	107.639	107.633	107.001					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 81.819



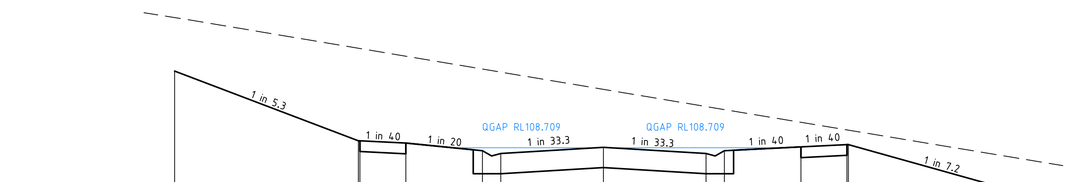
DATUM107.0																		
DESIGN SURFACE	111.491	109.204	109.204	109.166	109.041	108.996	109.097	108.996	109.041	109.104	109.141	109.141	107.962					
EXISTING SURFACE	111.283	110.811	110.807	110.689	110.492	110.445	110.169	109.888	109.838	109.631	109.507	109.503	109.001					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 95.944



DATUM105.0																		
DESIGN SURFACE	110.397	107.304	107.304	107.266	107.141	107.096	107.197	107.096	107.141	107.204	107.241	107.241	107.302					
EXISTING SURFACE	108.812	108.209	108.203	108.052	107.799	107.739	107.400	107.062	107.001	106.779	106.650	106.646	106.128					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 75.944



DATUM107.0																		
DESIGN SURFACE	109.961	108.824	108.824	108.786	108.661	108.616	108.717	108.616	108.661	108.724	108.761	108.761	107.922					
EXISTING SURFACE	110.835	110.334	110.330	110.204	109.994	109.944	109.683	109.382	109.332	109.125	109.001	108.997	108.500					
OFFSET	-14.000	-8.000	-7.950	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	8.000	14.000					

CH 91.944

REVISION		DATE	DES/DFT	APP'D
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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
D	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 07/09/2021	17/09/21	AC/AC	KT
C	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 17/08/2021	19/08/21	AC/AC	KT
B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT

DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

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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Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au
Engineering Design | Development Coordination | Construction Management

WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
CROSS SECTIONS - KARAK STREET
CH75.944 - CH103.819

Drawing No. 1525-10-09 **Rev F**

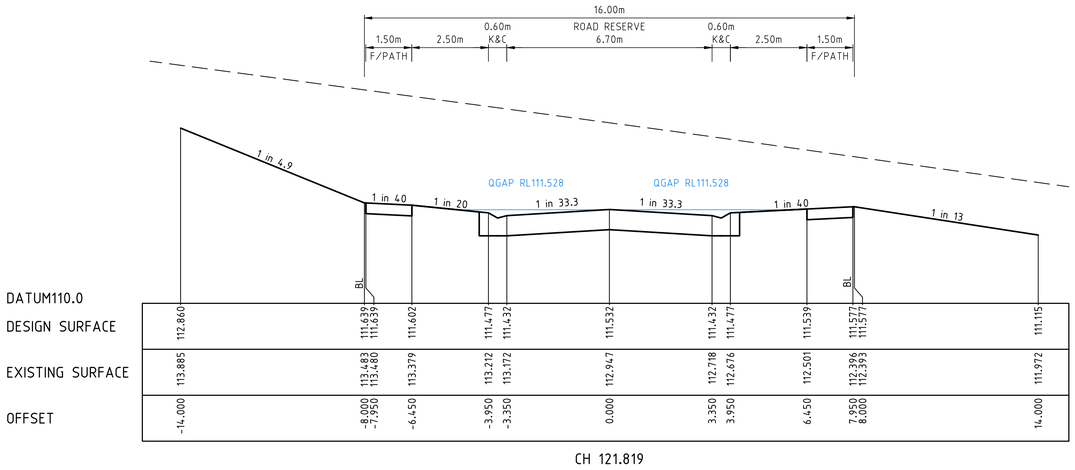
Sheet No. 09 of 24

AS CONSTRUCTED

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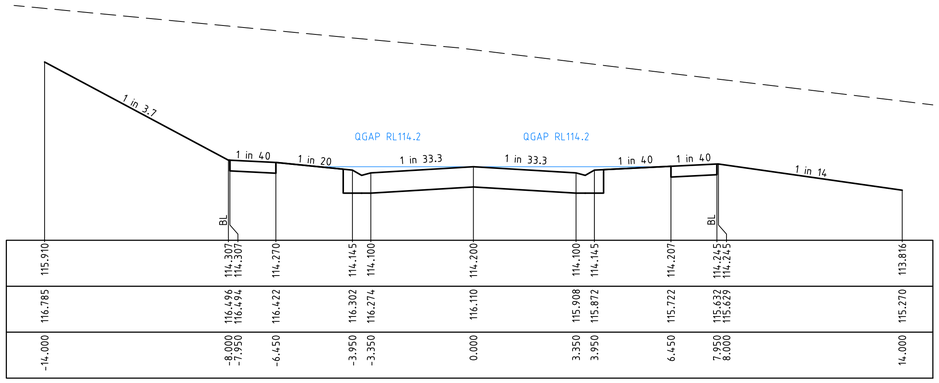
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



| | | |

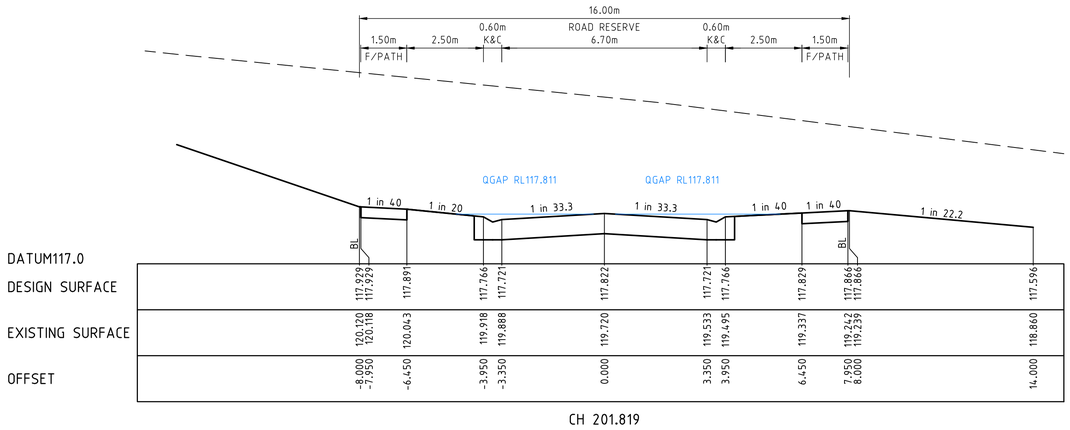

16.00m
1.50m
F/PATH
2.50m
0.60m
K&C
ROAD RESERVE
6.70m
0.60m
K&C
2.50m
1.50m
F/PATH


1 in 3.7
1 in 40
1 in 20
1 in 33.3
1 in 33.3
1 in 40
1 in 40
1 in 14
QGAP RL114.2
QGAP RL114.2
BL
BL

| | | |

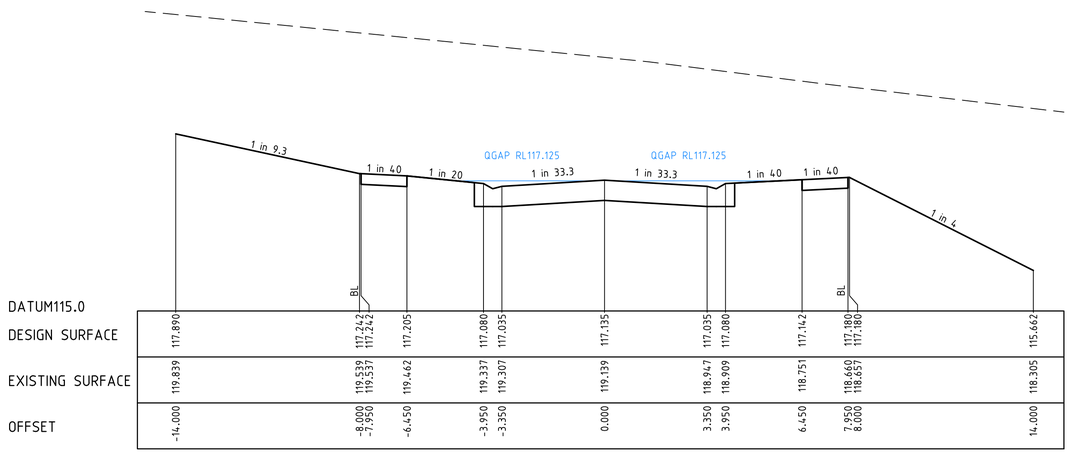
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



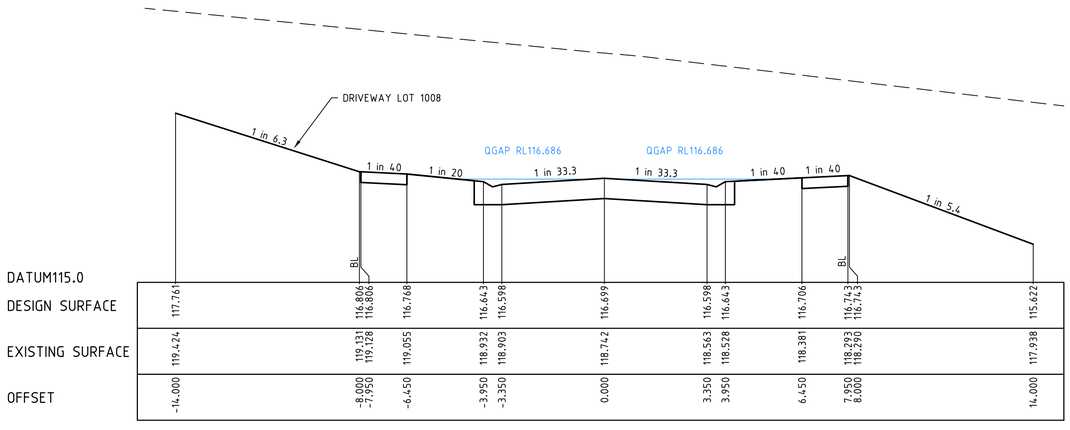
DATUM117.0														
DESIGN SURFACE	117.890	117.929 117.929	117.891	117.766 117.721		117.822		117.721 117.766		117.829	117.866 117.866		117.596	
EXISTING SURFACE	119.839	120.120 120.118	120.043	119.918 119.888		119.720		119.533 119.495		119.337	119.242 119.239		118.860	
OFFSET	-14.000	-8.000 -7.950	-6.450	-3.950	-3.350	0.000		3.350	3.950	6.450	7.950 8.000		14.000	

CH 201.819



DATUM115.0														
DESIGN SURFACE	117.890	117.242 117.242	117.205	117.080 117.035		117.135		117.035 117.080		117.142	117.180 117.180		115.662	
EXISTING SURFACE	119.839	119.539 119.537	119.462	119.337 119.307		119.139		118.947 118.909		118.751	118.660 118.657		118.305	
OFFSET	-14.000	-8.000 -7.950	-6.450	-3.950	-3.350	0.000		3.350	3.950	6.450	7.950 8.000		14.000	

CH 195.944



DATUM115.0														
DESIGN SURFACE	117.761	116.806 116.806	116.768	116.643 116.598		116.699		116.598 116.643		116.706	116.743 116.743		115.622	
EXISTING SURFACE	119.424	119.131 119.128	119.055	118.932 118.903		118.742		118.563 118.528		118.381	118.293 118.290		117.938	
OFFSET	-14.000	-8.000 -7.950	-6.450	-3.950	-3.350	0.000		3.350	3.950	6.450	7.950 8.000		14.000	

CH 191.944

REVISION		DATE	DES/DFT	APP'D
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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
D	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 07/09/2021	17/09/21	AC/AC	KT
C	AMENDED AS PER BAW BAW SHIRE COUNICL COMMENTS RECEIVED 17/08/2021	19/08/21	AC/AC	KT
B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT

DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

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Designed
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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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TaylorMiller.
Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au
Engineering Design | Development Coordination | Construction Management

WEEBAR ROAD, DROUIN
STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
CROSS SECTIONS - KARAK STREET
CH191.944 - CH201.819

Drawing No. 1525-10-12 **Rev F**

Sheet No. 12 of 24

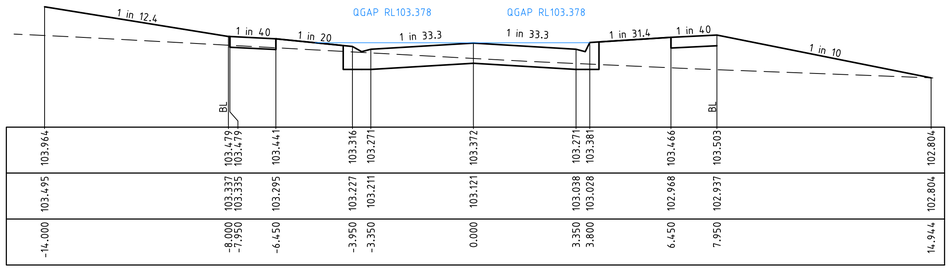
AS CONSTRUCTED

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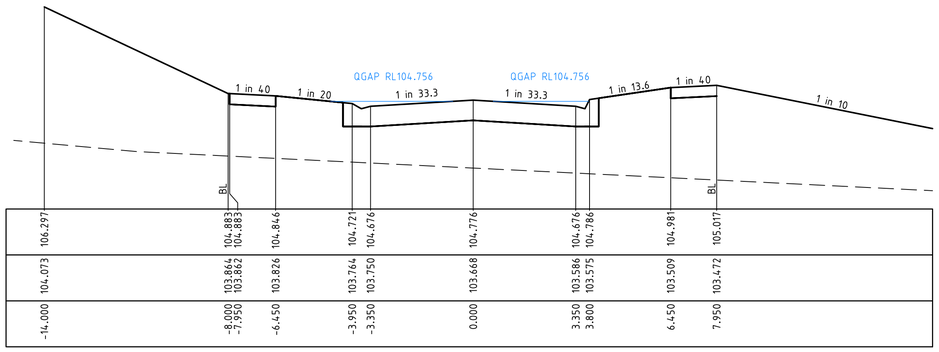
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE

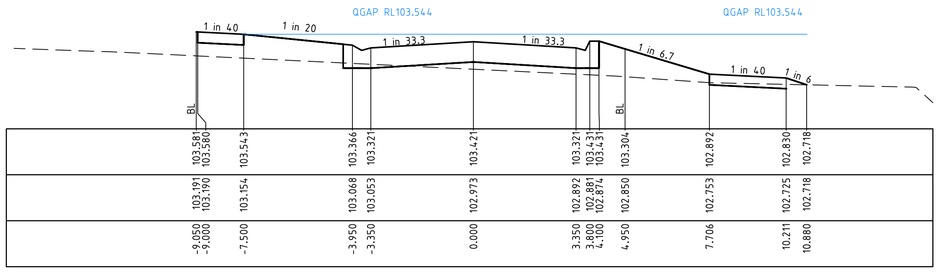




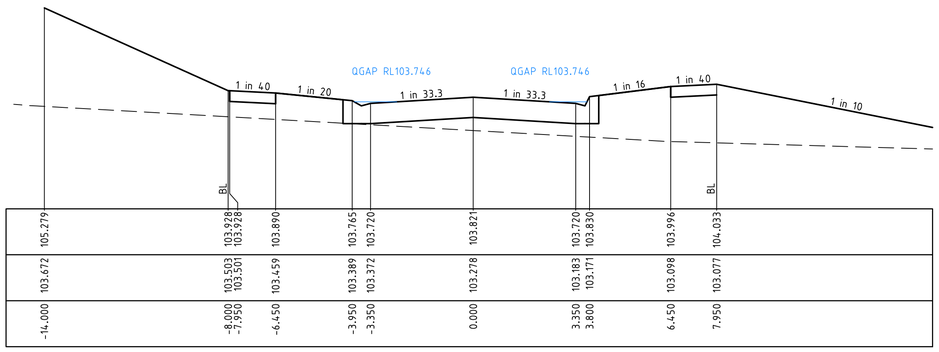
CH 64.980



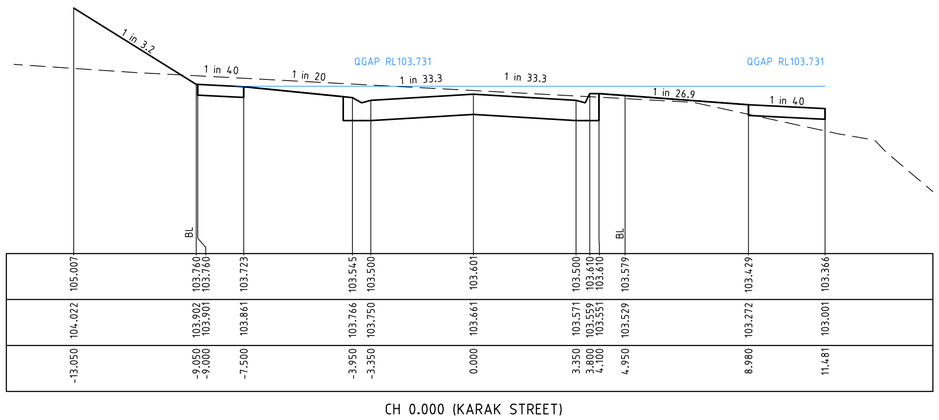
CH 103.980



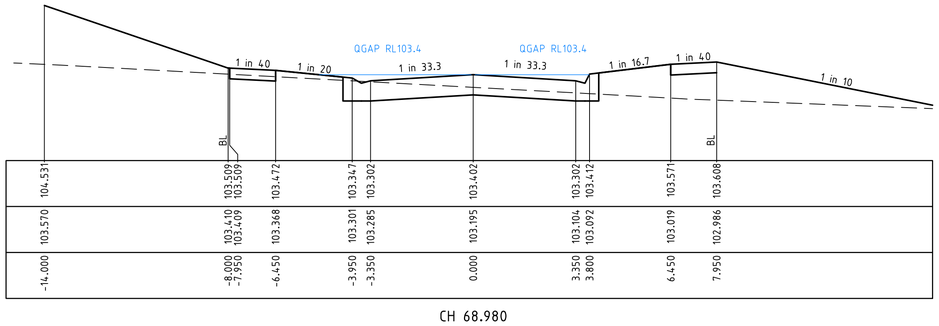
CH 35.973 (KARAK STREET)



CH 85.980



CH 0.000 (KARAK STREET)



CH 68.980

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.	.	.	.	.
F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
D	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 07/09/2021	17/09/21	AC/AC	KT
C	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 17/08/21	19/08/21	AC/AC	KT
B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT
REVISION		DATE	DES/DFT	APP'D

DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed A.Cantwell
Drawn A.Cantwell
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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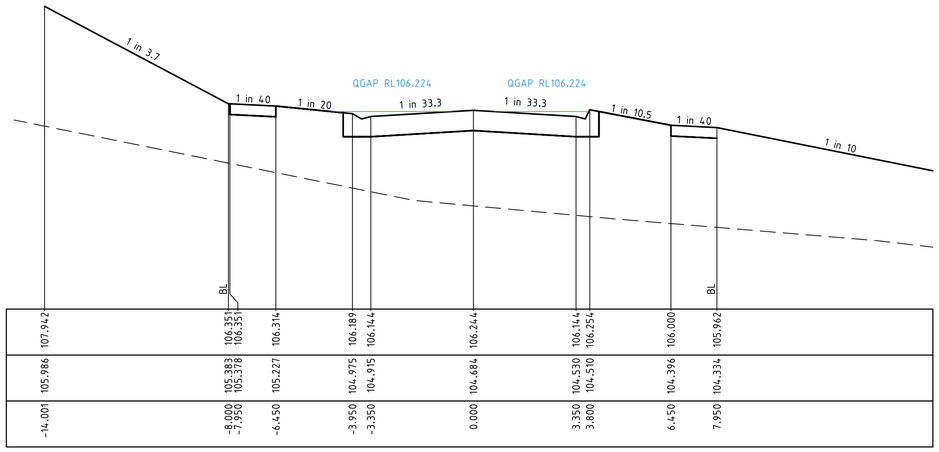
WEEBAR ROAD, DROUIN
STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
CROSS SECTIONS - KARAK STREET & BRACKEN STREET

Drawing No. 1525-10-13 **Rev F**
Sheet No. 13 of 24

AS CONSTRUCTED

I:\work\1525 - weebar rd drouin\1525-10\dwg\1525-10-13


16.00m
1.50m
F/PATH
2.50m
0.60m
K&C
ROAD RESERVE
6.70m
0.60m
K&C
2.50m
1.50m
F/PATH

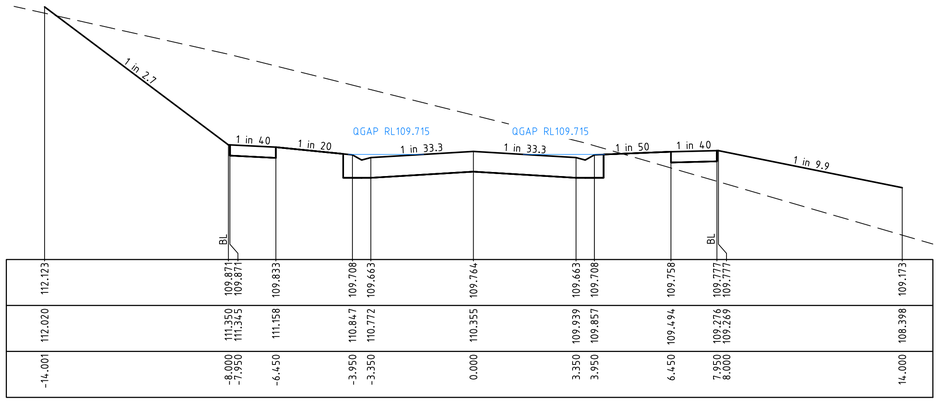

1 in 3.7
1 in 40
1 in 20
QGAP RL106.224
1 in 33.3
QGAP RL106.224
1 in 33.3
1 in 10.5
1 in 40
1 in 10
BL
BL

| DATUM103.0 | | |



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

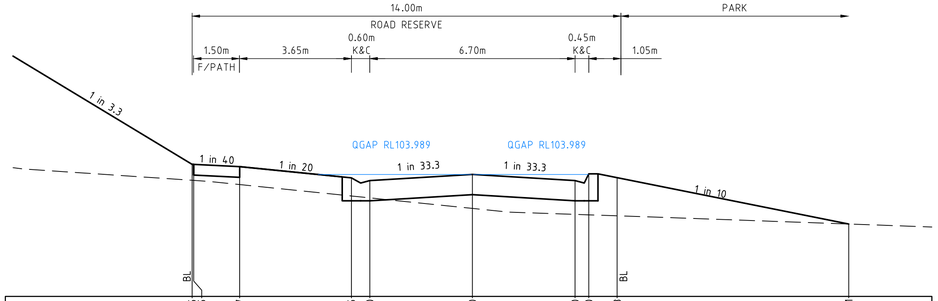
LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



| | | |

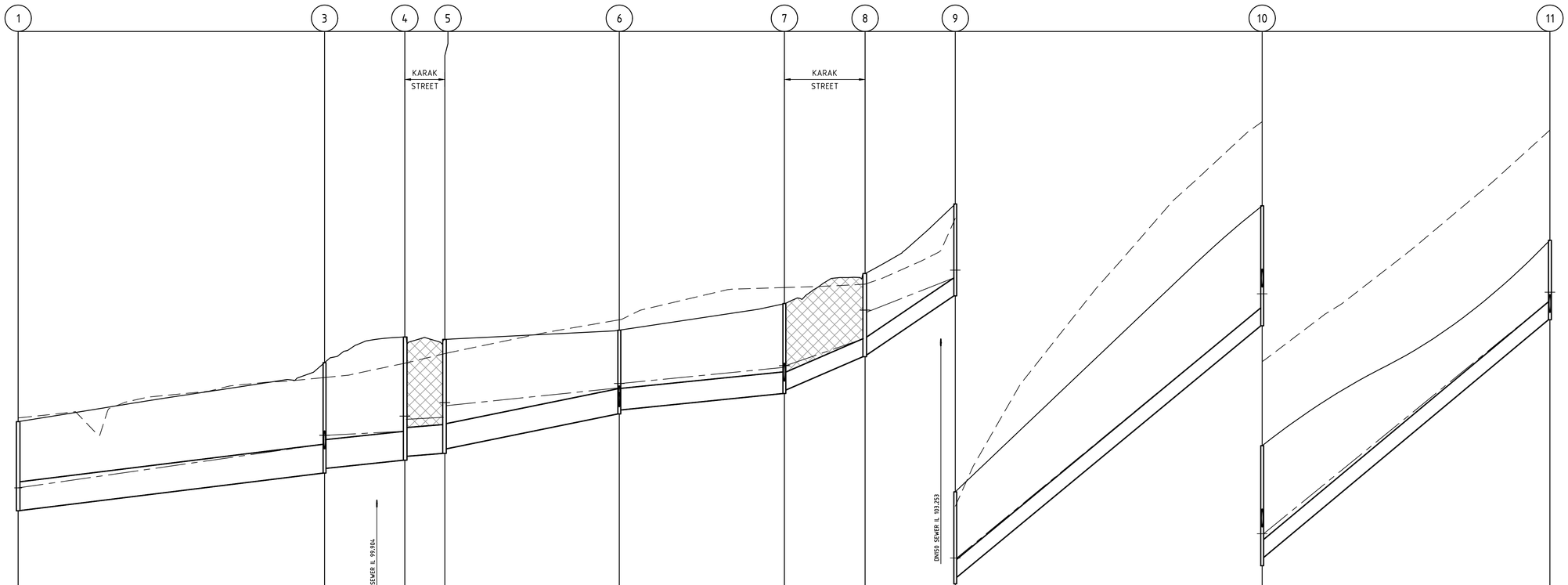
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



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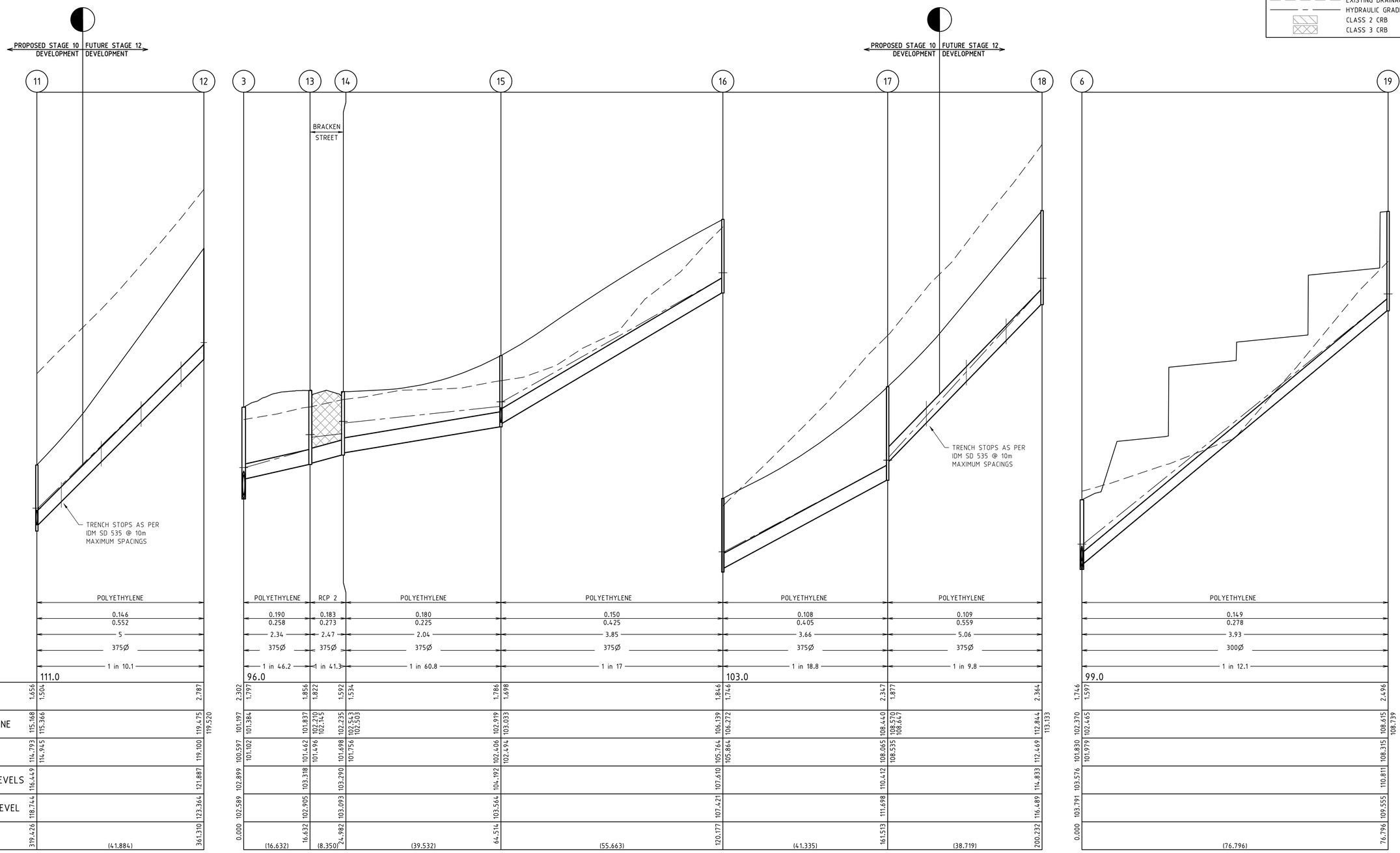
LEGEND
- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CLASS 2 CRB
- CLASS 3 CRB



| | | |

ALL PIPES TO BE RRJ CLASS 2
UNLESS OTHERWISE SHOWN

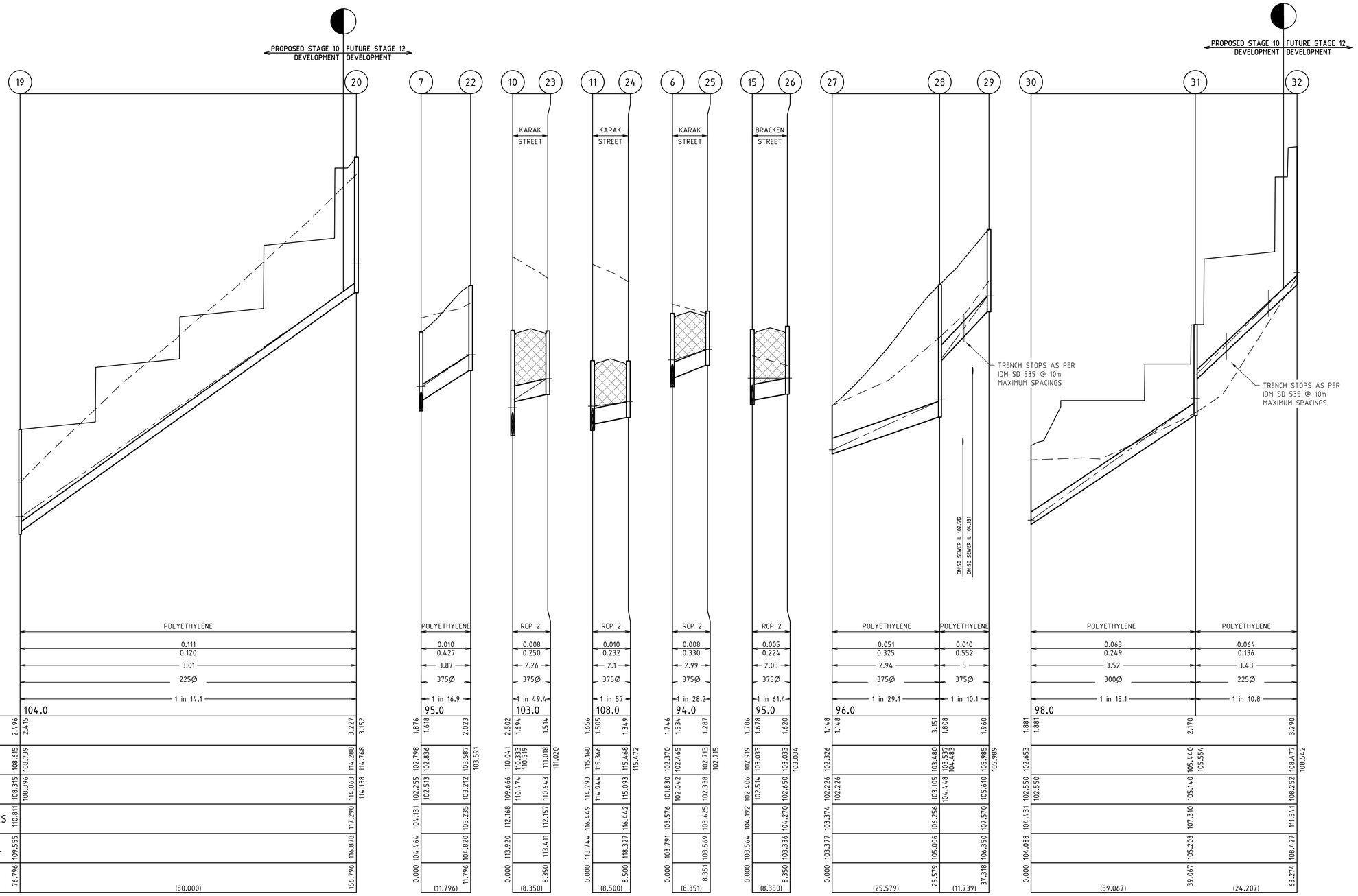
LEGEND
- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CLASS 2 CRB
- CLASS 3 CRB



| | | |

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 NUMBER	TYPE	INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIA. (mm)	INVERT RL (m)	DIA. (mm)	INVERT RL (m)				
1	JUNCTION PIT	900	900	600	99.811	600	99.722	101.669	1.858	IDM SD 420	
3	JUNCTION PIT	900	900	600	100.695	600	100.597	102.899	2.302	IDM SD 420	
				375	101.102						
4	SIDE ENTRY PIT	900	900	600	100.947	600	100.866	103.433	2.567	IDM SD 430	
5	SIDE ENTRY PIT	900	900	525	101.102	600	101.007	103.384	2.377	IDM SD 440	
6	SIDE ENTRY PIT	900	900	450	101.912	525	101.83	103.576	1.746	IDM SD 440	
				300	101.979						
				375	102.042						
7	SIDE ENTRY PIT	900	900	375	102.327	450	102.255	104.131	1.876	IDM SD 440	
				375	102.513						
8	JUNCTION PIT	900	600	375	103.056	375	103.022	104.756	1.734	IDM SD 420	
9	SIDE ENTRY PIT	900	600	375	104.424	375	104.29	106.206	1.916	IDM SD 440	
10	SIDE ENTRY PIT	900	600	375	109.838	375	109.666	112.168	2.502	IDM SD 440	
				375	110.474						
11	SIDE ENTRY PIT	900	600	375	114.945	375	114.793	116.449	1.656	IDM SD 440	
				375	114.944						
12	ENDWALL					375	119.1	121.887	2.787		TEMPORARY SANDBAG ENDWALL
13	SIDE ENTRY PIT	900	600	375	101.496	375	101.462	103.318	1.856	IDM SD 430	
14	SIDE ENTRY PIT	900	600	375	101.756	375	101.698	103.29	1.592	IDM SD 440	
15	SIDE ENTRY PIT	900	600	375	102.494	375	102.406	104.192	1.786	IDM SD 440	
				375	102.514						
16	SIDE ENTRY PIT	900	600	375	105.864	375	105.764	107.61	1.846	IDM SD 440	
17	JUNCTION PIT	900	600	375	108.535	375	108.065	110.412	2.347	IDM SD 420	
18	ENDWALL					375	112.469	114.833	2.364		TEMPORARY SANDBAG ENDWALL
19	JUNCTION PIT	900	600	225	108.396	300	108.315	110.811	2.496	IDM SD 420	
20	ENDWALL			225	114.138	225	114.063	117.29	3.227		TEMPORARY SANDBAG ENDWALL
22	SIDE ENTRY PIT	900	600			375	103.212	105.235	2.023	IDM SD 440	
23	SIDE ENTRY PIT	900	600			375	110.643	112.157	1.514	IDM SD 440	
24	SIDE ENTRY PIT	900	600			375	115.093	116.442	1.349	IDM SD 440	
25	SIDE ENTRY PIT	900	600			375	102.338	103.625	1.287	IDM SD 430	
26	SIDE ENTRY PIT	900	600			375	102.65	104.27	1.62	IDM SD 430	
27	ENDPIPE			375	102.226			103.374	1.148		REMOVE EXISTING TEMPORARY SANDBAG ENDWALL & CONTINUE MAIN
28	SIDE ENTRY PIT	900	600	375	104.448	375	103.105	106.256	3.151	IDM SD 440	
29	SIDE ENTRY PIT	900	600			375	105.610	107.570	1.960	IDM SD 440	
30	ENDPIPE			300	102.550			104.431	1.881		REMOVE EXISTING TEMPORARY SANDBAG ENDWALL & CONTINUE MAIN
31	JUNCTION PIT	900	600	225	106.017	300	105.140	107.310	2.170	IDM SD 420	
32	ENDWALL					225	108.252	111.541	3.290		TEMPORARY SANDBAG ENDWALL

REVISION		DATE	DES/DFT	APP'D
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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
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C	AMENDED AS PER BAW BAW SHIRE COUNICL COMMENTS RECEIVED 17/08/2021	19/08/21	AC/AC	KT
B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT

DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

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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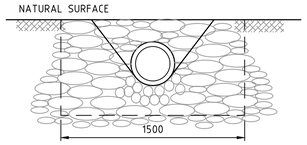
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Engineering Design | Development Coordination | Construction Management

WEEBAR ROAD, DROUIN
STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
PIT SCHEDULE

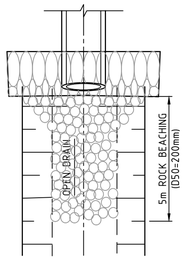
Drawing No. 1525-10-20 **Rev F**
Sheet No. 20 of 24

AS CONSTRUCTED

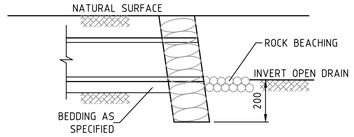
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END ELEVATION

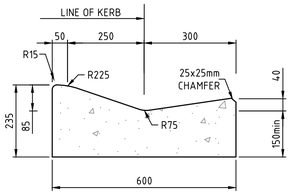


PLAN

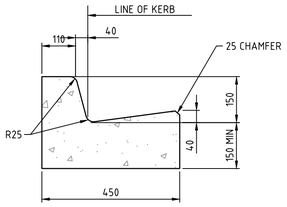


SIDE ELEVATION

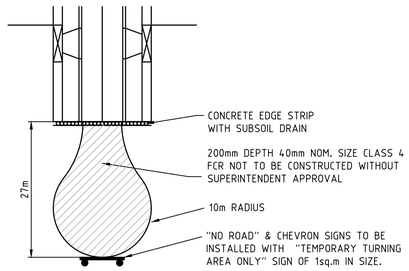
SANDBAG ENDWALL DETAIL
NOT TO SCALE



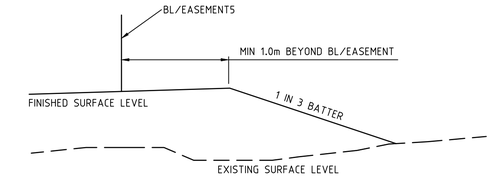
SM2-M KERB DETAIL
SCALE 1:10



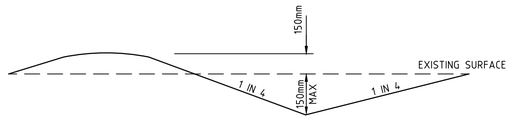
B2 KERB DETAIL
SCALE 1:10



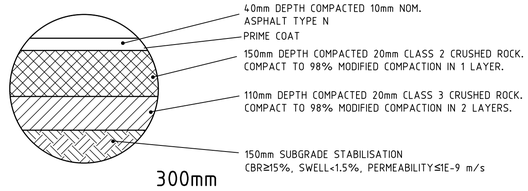
TYPICAL TEMPORARY TURN AREA DETAIL
NOT TO SCALE



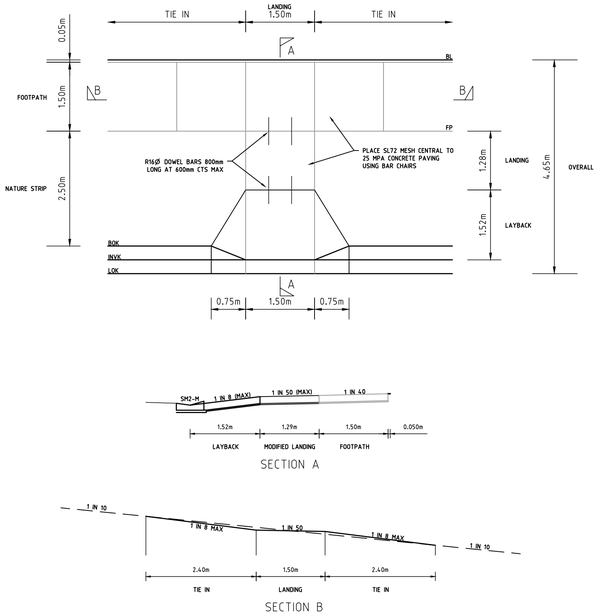
TYPICAL FILL BATTER DETAIL
NOT TO SCALE



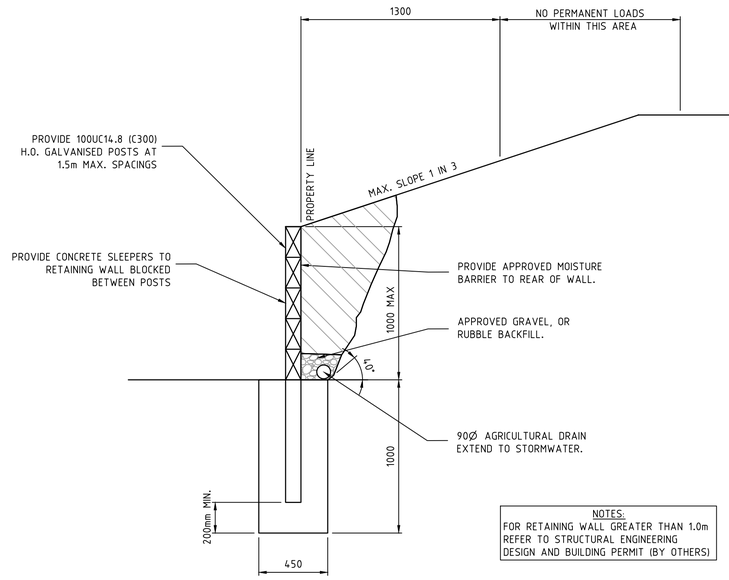
SWALE DRAIN DETAIL
NOT TO SCALE



PAVEMENT DETAIL
ALL ROADS



FOOTPATH CONNECTION TO PEDESTRIAN CROSSING
NOT TO SCALE



TYPICAL RETAINING WALL DETAIL
(RETAINING WALL HEIGHT 1.0m)
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 – PLA0323/16 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 – PLA0323/16 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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DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed A.Cantwell
Drawn A.Cantwell
Checked K.Taylor
Authorised K.Taylor
Date March 2021

Scale @ A1 N/A

Coords: MGA Levels: AHD

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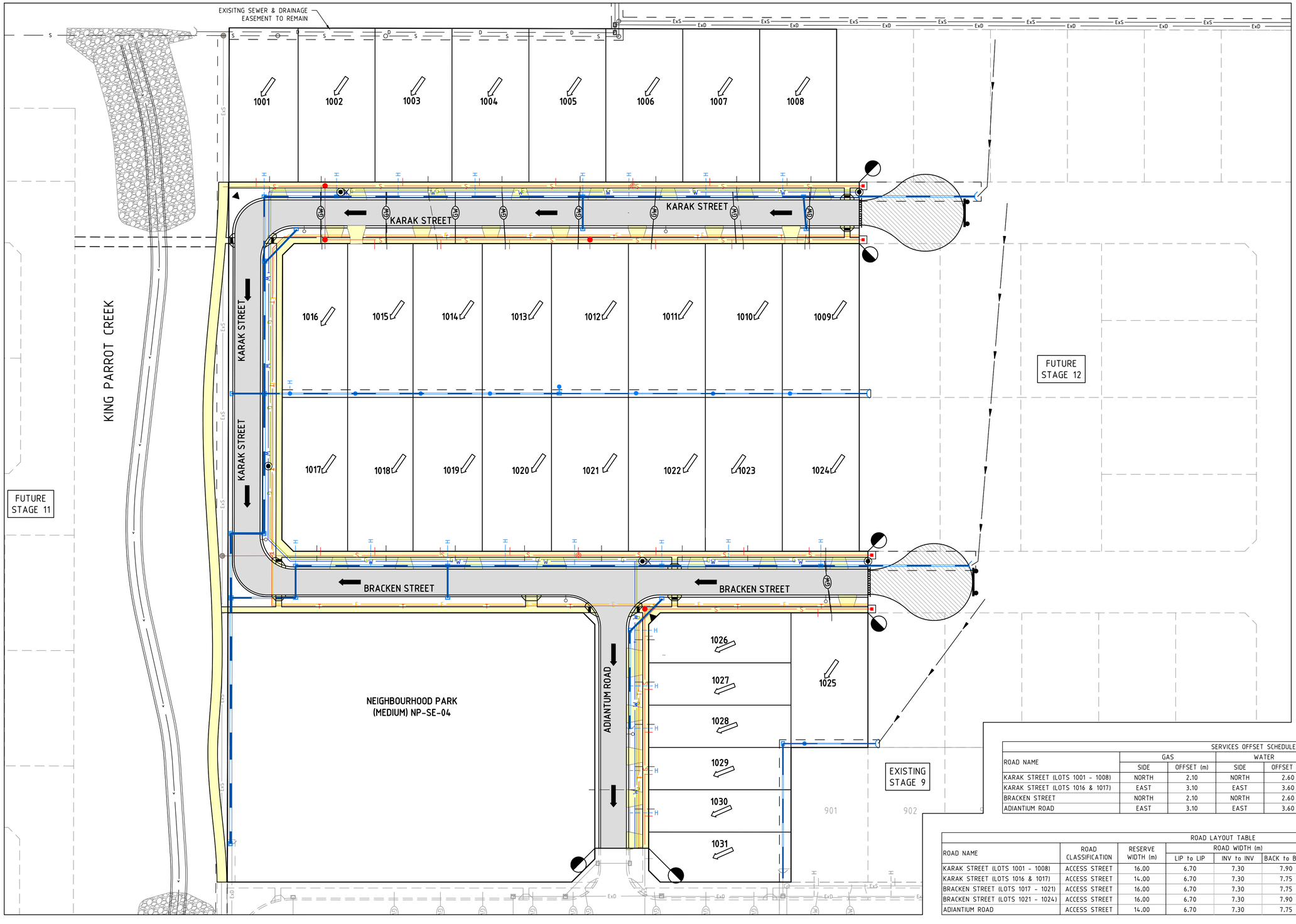
TaylorMiller.
Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au
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WEEBAR ROAD, DROUIN
STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
GENERAL NOTES & DETAILS

Drawing No. 1525-10-21 **Rev F**
Sheet No. 21 of 24

AS CONSTRUCTED

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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
- 141.34 EXISTING SURFACE LEVEL
- FS14.0.35 FINISHED BUILDING LINE LEVEL
- FRI57.40 FINISHED RIDGE LINE LEVEL
- TW159.30 TOP OF RETAINING WALL
- BW159.30 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

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SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		WATER		ELECTRICITY		TELECOMMUNICATIONS	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
KARAK STREET (LOTS 1001 - 1008)	NORTH	2.10	NORTH	2.60	SOUTH	2.30	SOUTH	1.80
KARAK STREET (LOTS 1016 & 1017)	EAST	3.10	EAST	3.60	EAST	2.10	EAST	2.60
BRACKEN STREET	NORTH	2.10	NORTH	2.60	SOUTH	2.30	SOUTH	1.80
ADIANTIUM ROAD	EAST	3.10	EAST	3.60	EAST	2.10	EAST	2.60

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
KARAK STREET (LOTS 1001 - 1008)	ACCESS STREET	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05
KARAK STREET (LOTS 1016 & 1017)	ACCESS STREET	14.00	6.70	7.30	7.75	B2	SM2-M	1.15	5.10
BRACKEN STREET (LOTS 1017 - 1021)	ACCESS STREET	16.00	6.70	7.30	7.75	SM2-M	B2	4.05	4.20
BRACKEN STREET (LOTS 1021 - 1024)	ACCESS STREET	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05
ADIANTIUM ROAD	ACCESS STREET	14.00	6.70	7.30	7.75	B2	SM2-M	1.05	5.20

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DROUIN - SINCE 2018 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

N

Scale @ A1 1:500
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Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au

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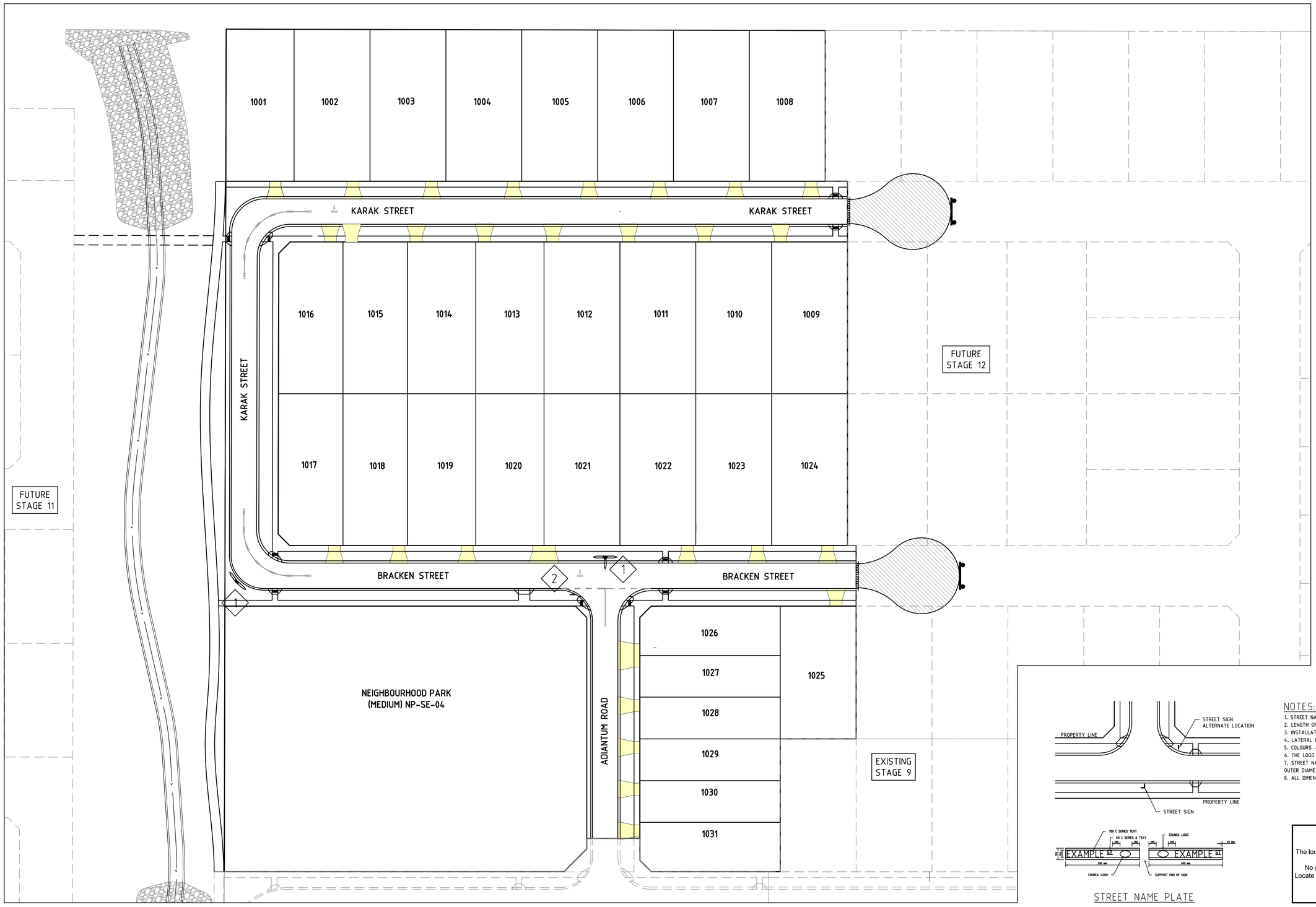
STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
MASTER SERVICES PLAN

Drawing No. 1525-10-22 **Rev F**

Sheet No. 22 of 24

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SIGN SCHEDULE

SIGN	REF
STREET SIGN	1
GIVE WAY R1-2	2

STREET NAME PLATE

NOTES:

1. STREET NAME PLATES TO BE IN ACCORDANCE WITH AS1742.5
2. LENGTH OF SIGN - 500mm MIN TO 2000mm MAX
3. INSTALLATION HEIGHT - 2.5m MIN TO 3m MAX
4. LATERAL PLACEMENT - 500mm MIN CLEARANCE FROM FACE OF KERB
5. COLOURS - WHITE LEGEND ON STANDARD GREEN BACKGROUND
6. THE LOGO SHALL BE LOCATED AT THE SUPPORT END OF THE SIGN
7. STREET NAME PLATE SIGNS TO BE FITTED TO 2mm THICK GAL PIPE 60mm OUTER DIAMETER
8. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED

WARNING

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DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

Checked
K.Taylor

Authorised
K.Taylor

Date
March 2021

N

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TaylorMiller.

Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au

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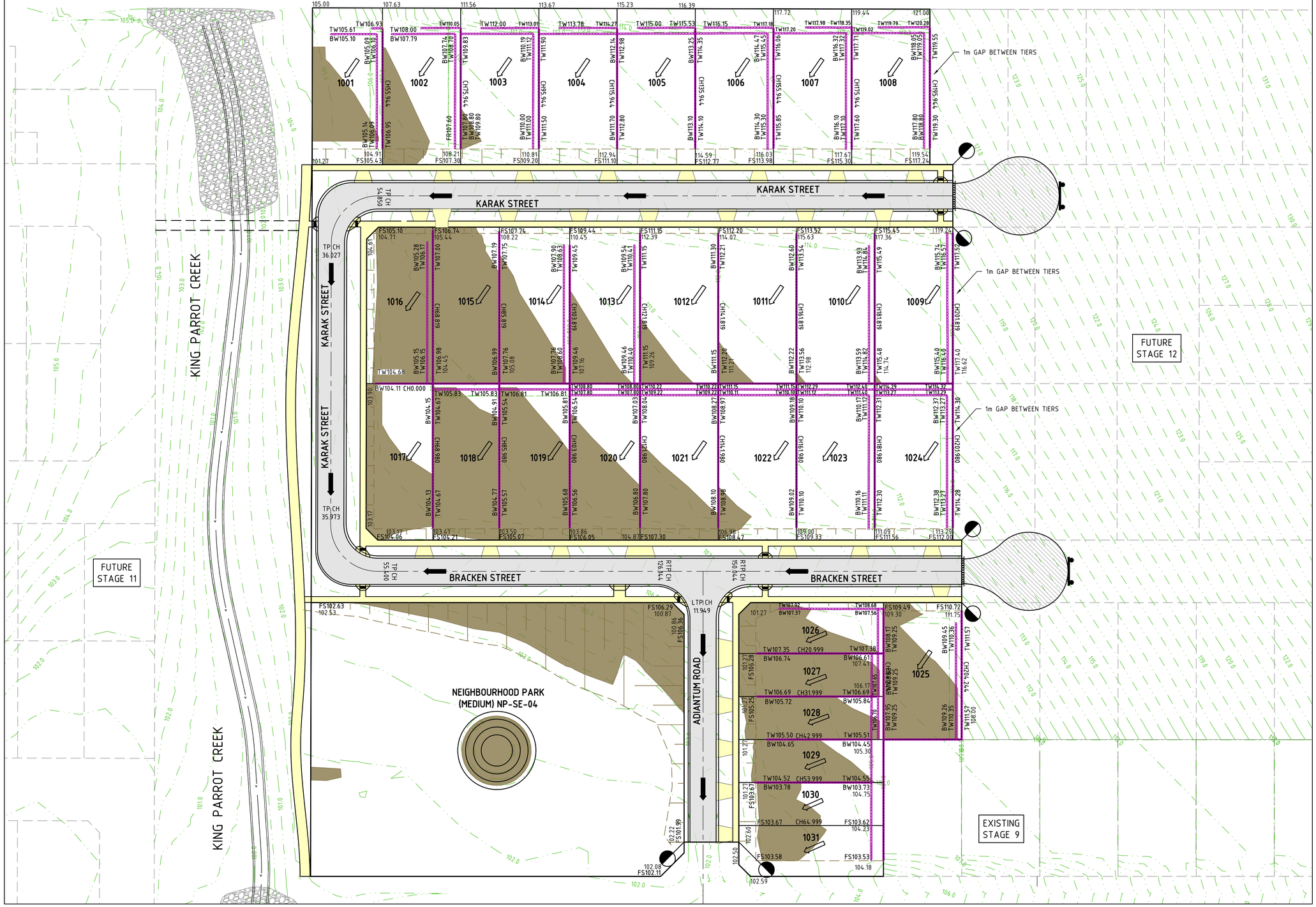
STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
SIGNAGE & LINEMARKING PLAN

Drawing No. 1525-10-23 **Rev F**

Sheet No. 23 of 24

AS CONSTRUCTED

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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
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- EXISTING RISING MAIN
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- ALL RETAINING WALLS ARE A MAXIMUM HEIGHT OF 1.0m
- WHERE TIERED WALLS ARE REQUIRED THERE IS A 1m GAP BETWEEN TIERS
- REAR RETAINING WALLS BETWEEN LOTS 1018-1024 HAVE 1.5m GAP BETWEEN TIERS

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Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
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Checked
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Authorised
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Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
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taylormiller.com.au

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WEEBAR ROAD, DROUIN

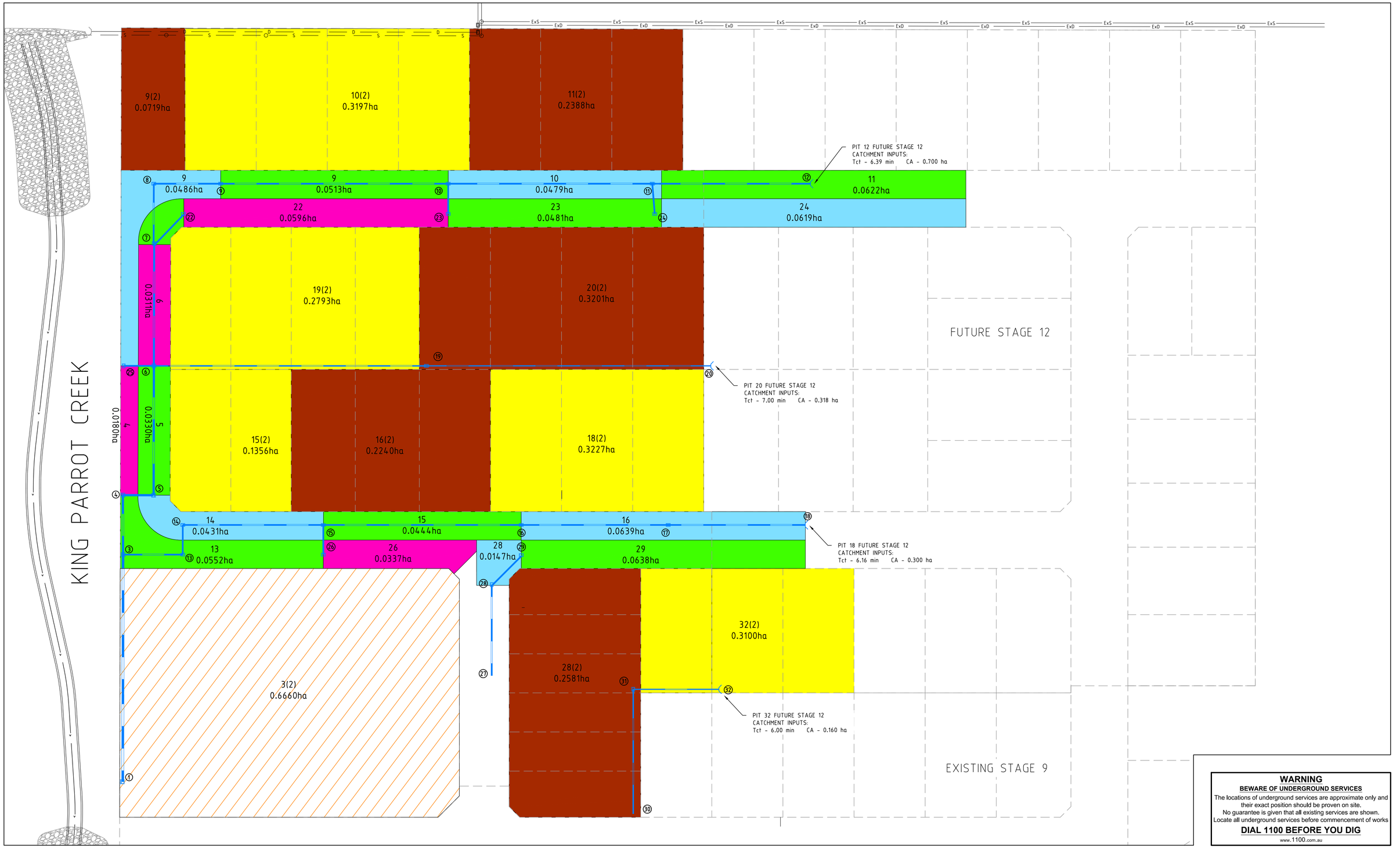
STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
RETAINING WALL & EARTHWORKS PLAN

Drawing No. 1525-10-24 **Rev F**

Sheet No. 24 of 24

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DROUIN - 3818 - FERNTREE RIDGE - GIPPSLAND -

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
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info@taylormiller.com.au
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WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
CATCHMENT PLAN

Drawing No. 1525-10-95 **Rev F**

Sheet No. 01 of 01

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CATCHMENT A
AREA: 8.78Ha
Q100 FLOW: 1.98m3/s
Q5 FLOW: 1.05m3/s
GAP FLOW: 0.93m3/s

0.52m3/s

AREA: 0.58Ha
Q100 FLOW: 0.16m3/s
Q5 FLOW: 0.09m3/s
GAP FLOW: 0.07m3/s

CATCHMENT B
AREA: 0.93Ha
Q100 FLOW: 0.24m3/s
Q5 FLOW: 0.13m3/s
GAP FLOW: 0.11m3/s

0.59m3/s

0.52m3/s

AREA: 0.48Ha
Q100 FLOW: 0.13m3/s
Q5 FLOW: 0.07m3/s
GAP FLOW: 0.06m3/s

AREA: 0.77Ha
Q100 FLOW: 0.21m3/s
Q5 FLOW: 0.12m3/s
GAP FLOW: 0.09m3/s

CATCHMENT C
AREA: 1.20Ha
Q100 FLOW: 0.31m3/s
Q5 FLOW: 0.17m3/s
GAP FLOW: 0.14m3/s

0.22m3/s

0.14m3/s

0.13m3/s

AREA: 0.90Ha
Q100 FLOW: 0.25m3/s
Q5 FLOW: 0.13m3/s
GAP FLOW: 0.12m3/s

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F	AS CONSTRUCTED ISSUE	21.11.22	AC/AC	KT
E	RETAINING WALLS AMENDED TO BE NO BIGGER THAN 1M HIGH AS PER DISCUSSIONS WITH COUNCIL	08/10/21	AC/AC	KT
D	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 07/09/2021	17/09/21	AC/AC	KT
C	AMENDED AS PER BAW BAW SHIRE COUNCIL COMMENTS RECEIVED 17/08/2021	19/08/21	AC/AC	KT
B	AMENDED RETAINING WALL LAYOUT	11/05/21	AC/AC	KT
A	INITIAL ISSUE	11/03/21	AC/AC	KT
REVISION		DATE	DES/DFT	APP'D

I:\work\1525 - weebar rd drouin\1525-10\dwgs\1525-10-96

Principal
Bernly Investments Pty Ltd
P.O Box 342
Berwick, VIC, 3806

Designed
A.Cantwell

Drawn
A.Cantwell

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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TaylorMiller.

Taylor Miller Pty Ltd
ABN 96 153 508 199
6/82 Smith St, Warragul VIC 3820
info@taylormiller.com.au
(03) 5622 0606
taylormiller.com.au

Engineering Design | Development Coordination | Construction Management

WEEBAR ROAD, DROUIN

STAGE 10 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0323/16
ROADWORKS AND DRAINAGE
Q100 CATCHMENT PLAN & GAP FLOWS

Drawing No. 1525-10-96 **Rev F**

Sheet No. 01 of 01

AS CONSTRUCTED