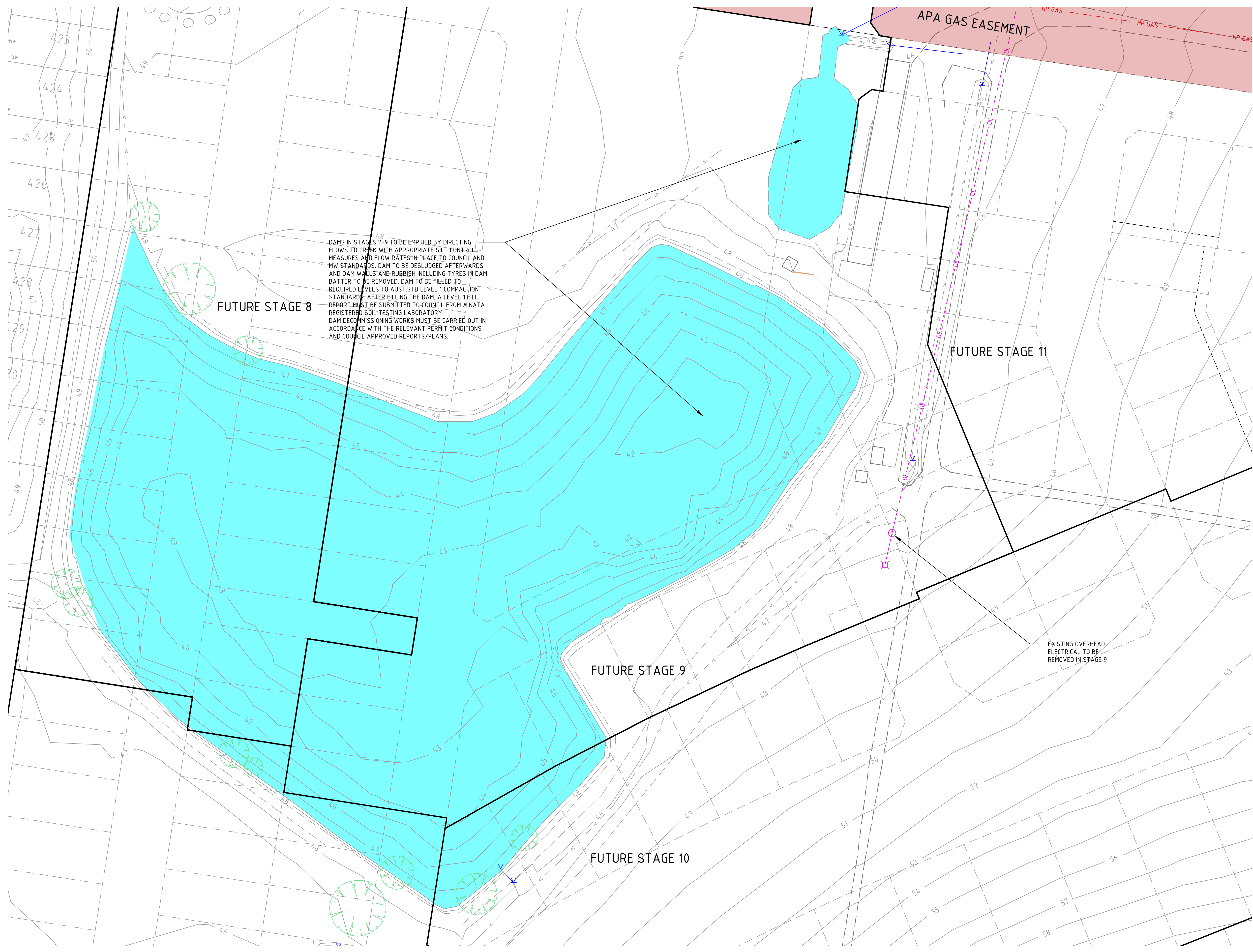




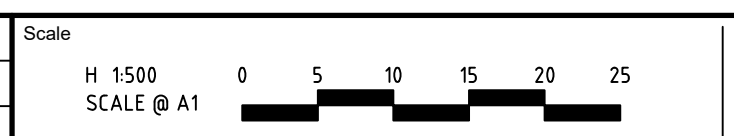
!!!! BEWARE !!!!
APA HIGH PRESSURE GAS TRANSMISSION LINE IN THE VICINITY OF THE WORKS. "NO GO" ZONE EXTENDS WITHIN THE APA GAS EASEMENT BOUNDARY. NO CONSTRUCTION OR ACCESS IS TO BE UNDERTAKEN WITHIN THE "NO GO" ZONE WITHOUT PRIOR APPROVAL FROM AN APA INFRASTRUCTURE PROTECTION OFFICER. APA MAY BE REQUIRED TO BE IN ATTENDANCE WHILST WORKS COMPLETED IN VICINITY OF APA INFRASTRUCTURE. APA OFFICERS CAN BE CONTACTED ON 1800 103 452 or APAProtection@apa.com.au



WARNING
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A	ISSUED TO CLIENT	B.W	07-02-25		
Rev	Amendments	Approved	Date		

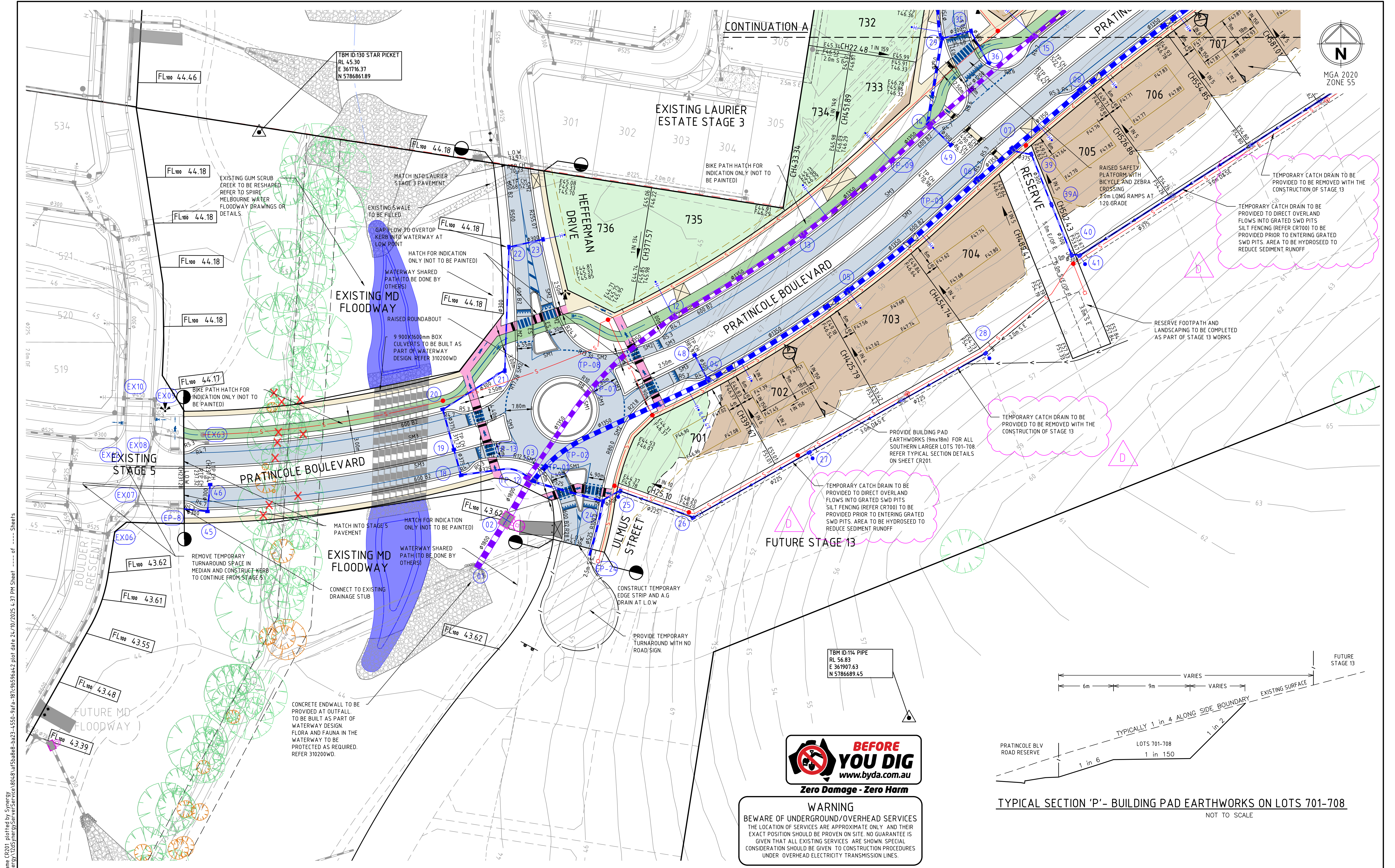


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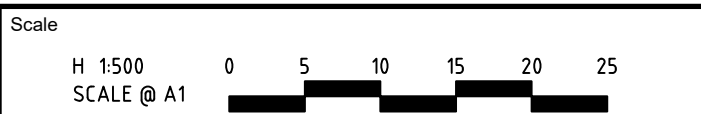
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P.COUNSEL
Authorised
B.WAREHAM
Checked
A.CHARALAMBOUS
Date
FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
EXISTING CONDITIONS PLAN
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD
PRELIMINARY Dwg No **310199CR200** Rev **B**



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C	RE-ISSUED TO COUNCIL	B.W	05-09-25
B	ISSUED TO COUNCIL	B.W	29-05-25
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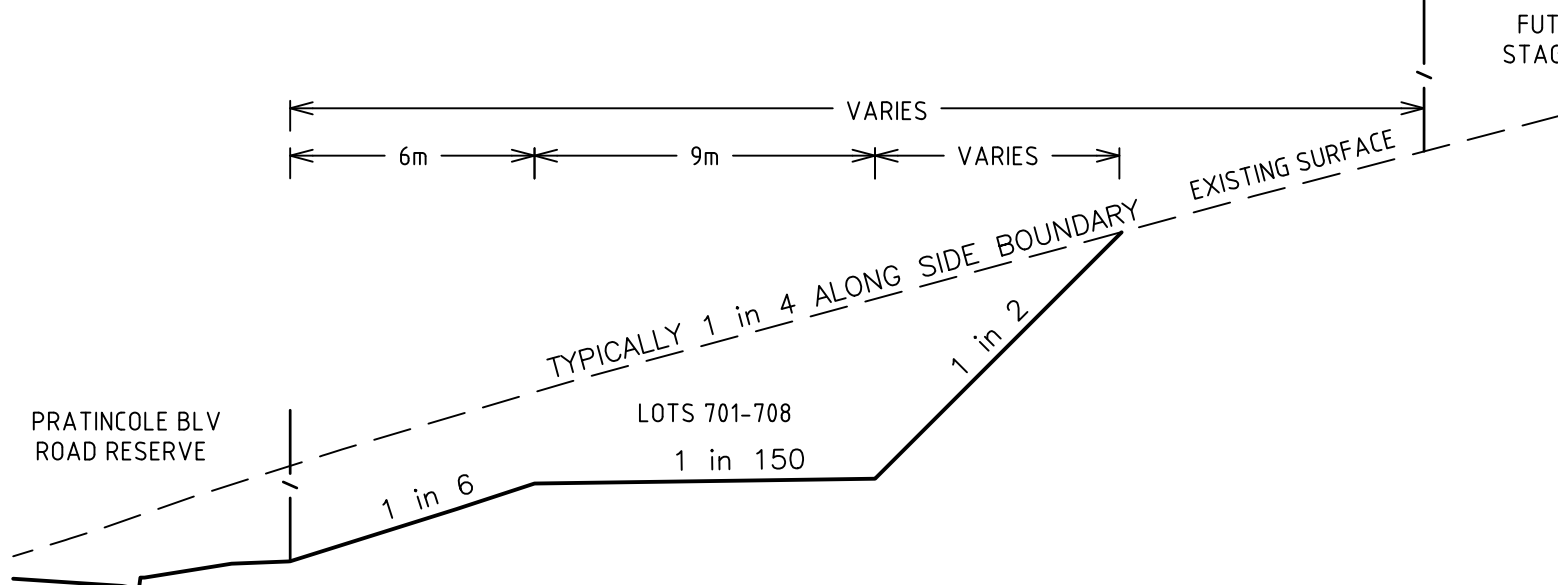
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STAGE 7
ROAD AND DRAINAGE
FACE PLAN - SHEET 1
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

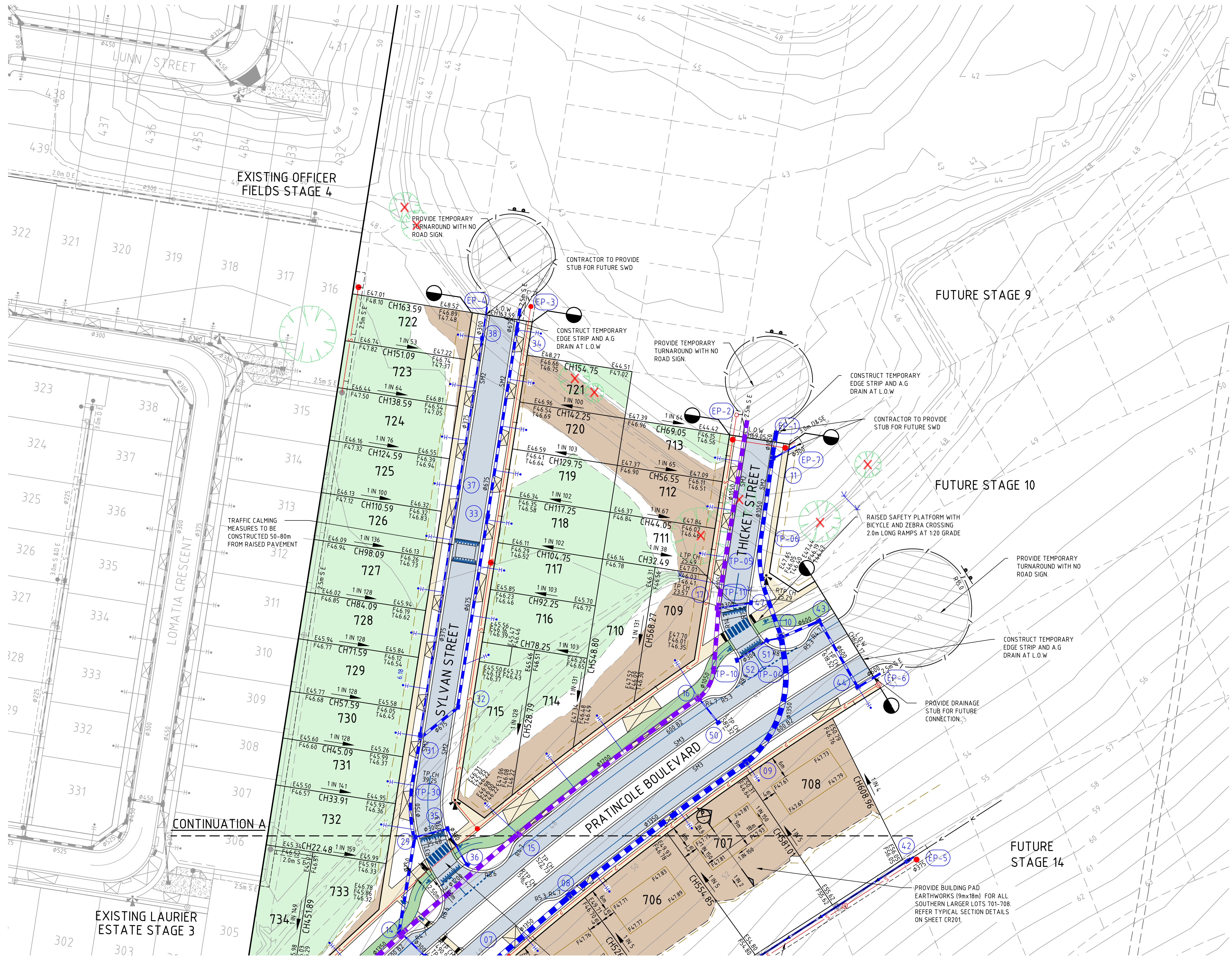
PRELIMINARY 310199CR201

Rev
D



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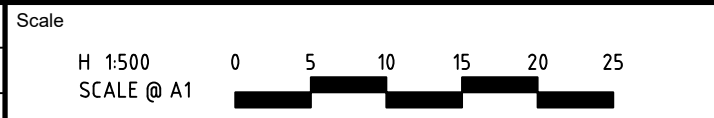




WARNING
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Rev	Amendments	Approved	Date
C	RE-ISSUED TO COUNCIL	B.W	05-09-25
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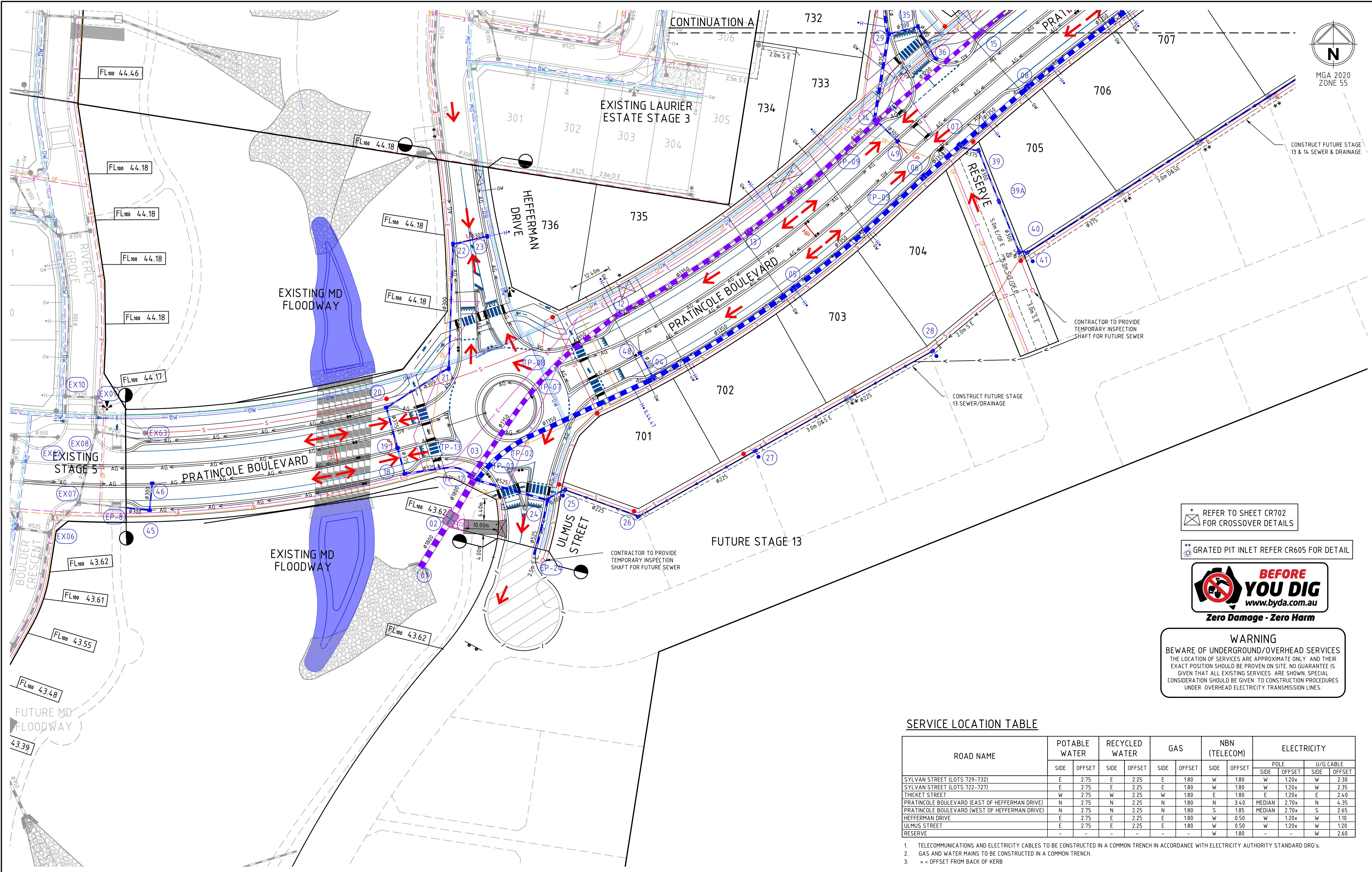


Designed
P.COUNSEL
Authorised
B.WAREHAM

Checked
A.CHARALAMBOUS
Date
FEBRUARY 25

**OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
FACE PLAN - SHEET 2**
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No 310199CR202 Rev C



* REFER TO SHEET CR702 FOR CROSSOVER DETAILS

** GRATED PIT INLET REFER CR605 FOR DETAIL



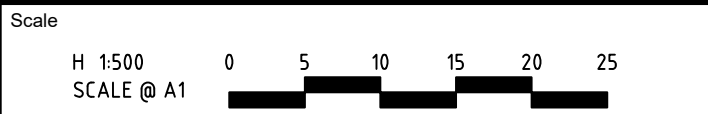
WARNING
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SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE	
									SIDE	OFFSET	SIDE	OFFSET
SYLVAN STREET (LOTS 729-732)	E	2.75	E	2.25	E	1.80	W	1.80	W	1.20x	W	2.30
SYLVAN STREET (LOTS 722-727)	E	2.75	E	2.25	E	1.80	W	1.80	W	1.20x	W	2.35
THICKET STREET	W	2.75	W	2.25	W	1.80	E	1.80	E	1.20x	E	2.40
PRATINCOLE BOULEVARD (EAST OF HEFFERMAN DRIVE)	N	2.75	N	2.25	N	1.80	N	3.40	MEDIAN	2.70x	N	4.35
PRATINCOLE BOULEVARD (WEST OF HEFFERMAN DRIVE)	N	2.75	N	2.25	N	1.80	S	1.85	MEDIAN	2.70x	S	2.65
HEFFERMAN DRIVE	E	2.75	E	2.25	E	1.80	W	0.50	W	1.20x	W	1.10
ULMUS STREET	E	2.75	E	2.25	E	1.80	W	0.50	W	1.20x	W	1.20
RESERVE	-	-	-	-	-	-	W	1.80	-	-	W	2.60

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

C	RE-ISSUED TO COUNCIL	B.W	05-09-25
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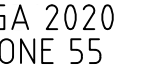


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P.COUNSEL
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B.WAREHAM

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Date
FEBRUARY 25

**OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
SERVICES PLAN - SHEET 1**
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No **310199CR203** Rev **C**



FUTURE STAGE 9

FUTURE STAGE 10

* REFER TO SHEET CR702
FOR CROSSOVER DETAILS

GRATED PIT INLET REFER CR606 FOR DETAIL



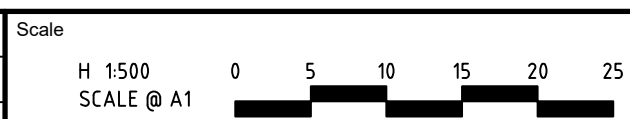
WARNING
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SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE	
									SIDE	OFFSET	SIDE	OFFSET
SYLVAN STREET (LOTS 729-732)	E	2.75	E	2.25	E	1.80	W	1.80	W	1.20x	W	2.30
SYLVAN STREET (LOTS 722-727)	E	2.75	E	2.25	E	1.80	W	1.80	W	1.20x	W	2.35
THICKET STREET	W	2.75	W	2.25	W	1.80	E	1.80	E	1.20x	E	2.40
PRATINCOLE BOULEVARD (EAST OF HEFFERMAN DRIVE)	N	2.75	N	2.25	N	1.80	N	3.40	MEDIAN	2.70x	N	4.35
PRATINCOLE BOULEVARD (WEST OF HEFFERMAN DRIVE)	N	2.75	N	2.25	N	1.80	S	1.85	MEDIAN	2.70x	S	2.65
HEFFERMAN DRIVE	E	2.75	E	2.25	E	1.80	W	0.50	W	1.20x	W	1.10
ULMUS STREET	E	2.75	E	2.25	E	1.80	W	0.50	W	1.20x	W	1.20
RESERVE	-	-	-	-	-	-	W	1.80	-	-	W	2.60

1. TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG's.
2. GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
3. x = OFFSET FROM BACK OF KERB

C	RE-ISSUED TO COUNCIL	B.W	05-09-25
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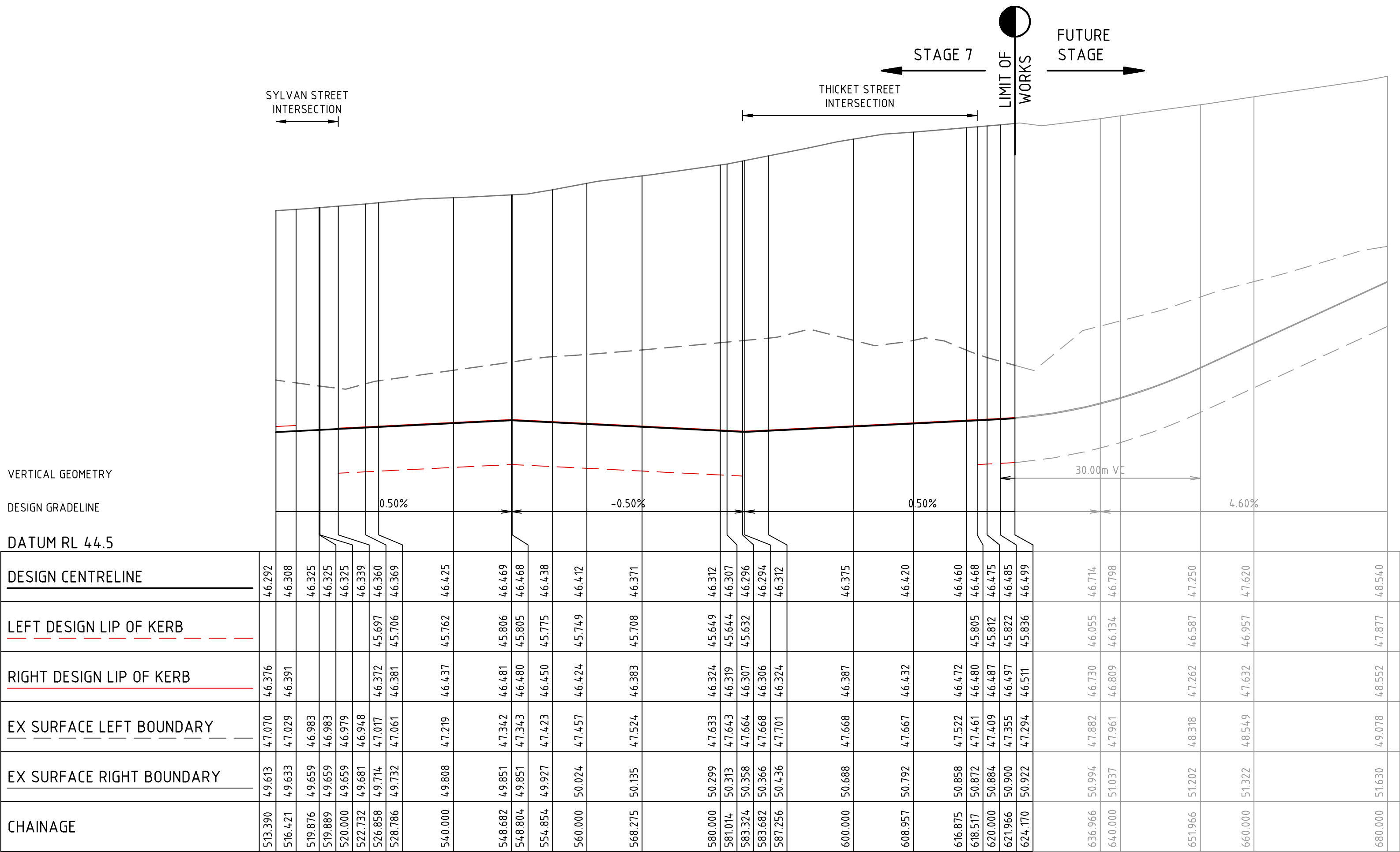
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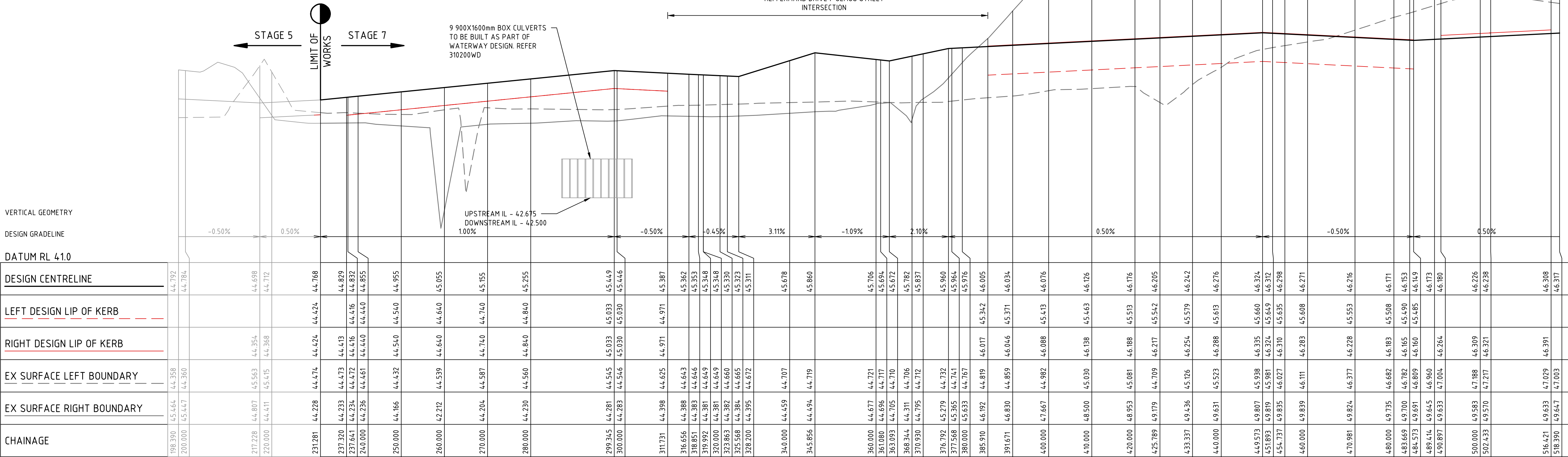
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STAGE 7
ROAD AND DRAINAGE
SERVICES PLAN - SHEET 2
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD**

PRELIMINARY Drg No Rev
310199CR204 **C**

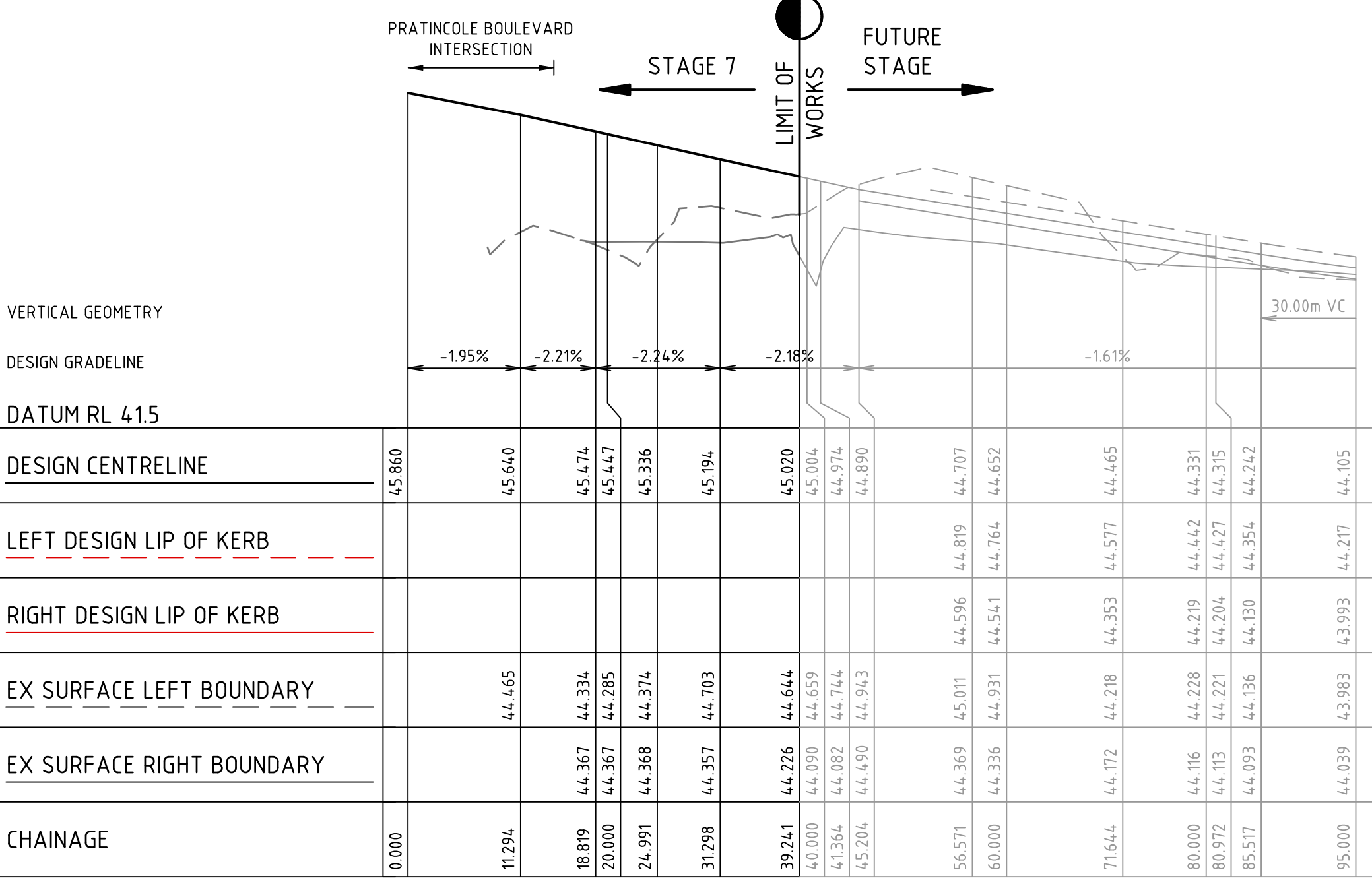
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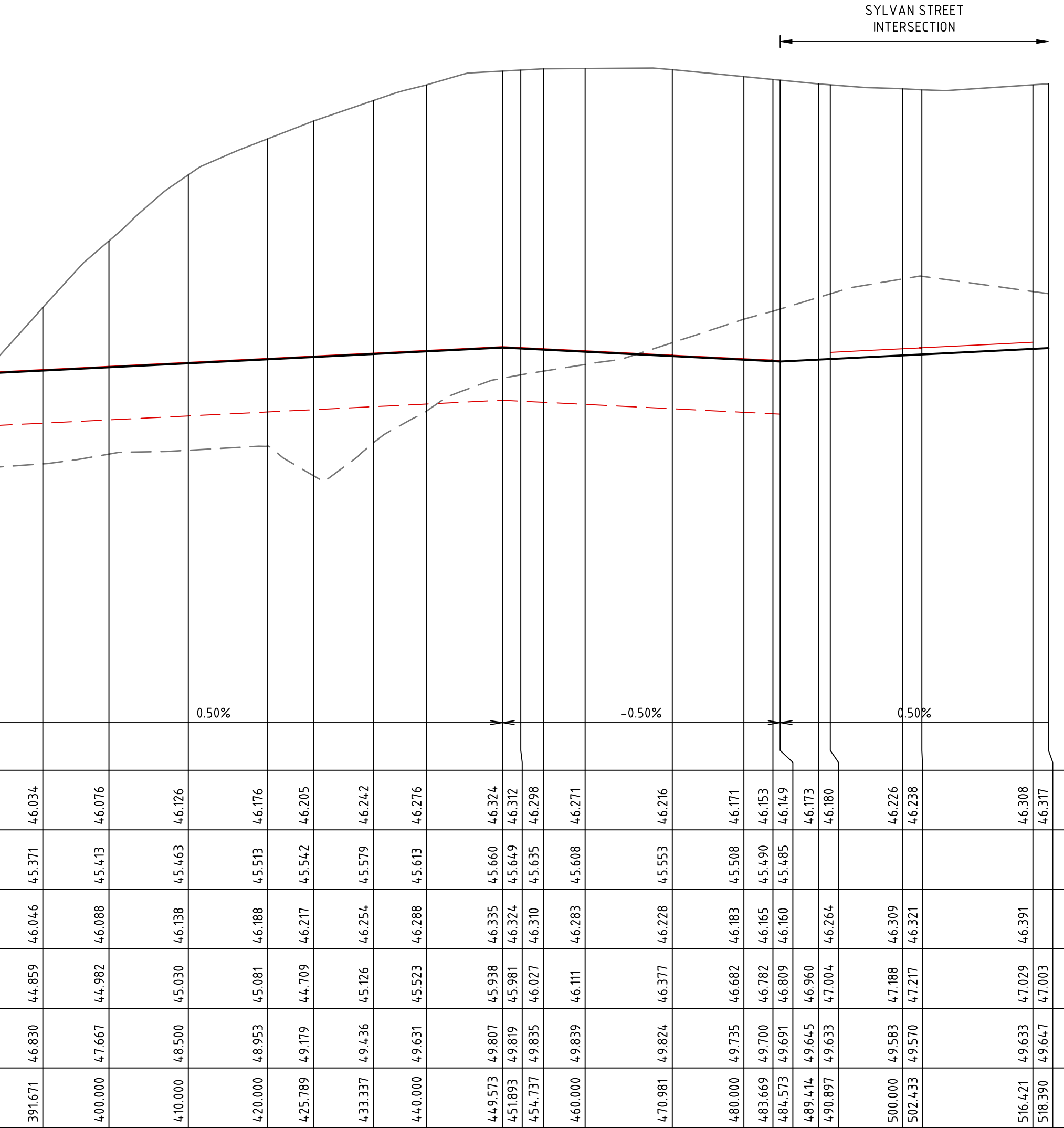
PRATINCOLE BOULEVARD



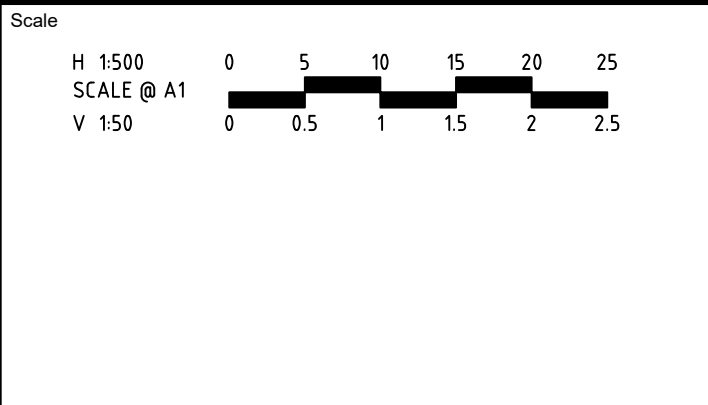
PRATINCOLE BOULEVARD



ULMUS STREET



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B	ISSUED TO COUNCIL	B.W	29-05-25
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OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
LONG SECTIONS - SHEET 1
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY

Drg No
310199CR300

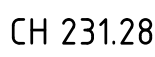
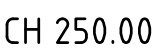
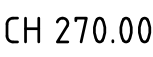
Rev
B

SYLVAN STREET

HEFFERMAN DRIVE

THICKET STREET

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Scale

H 1:100
SCALE @ A1
V 150

0 0.5 1 1.5 2 2.5 3 4 5

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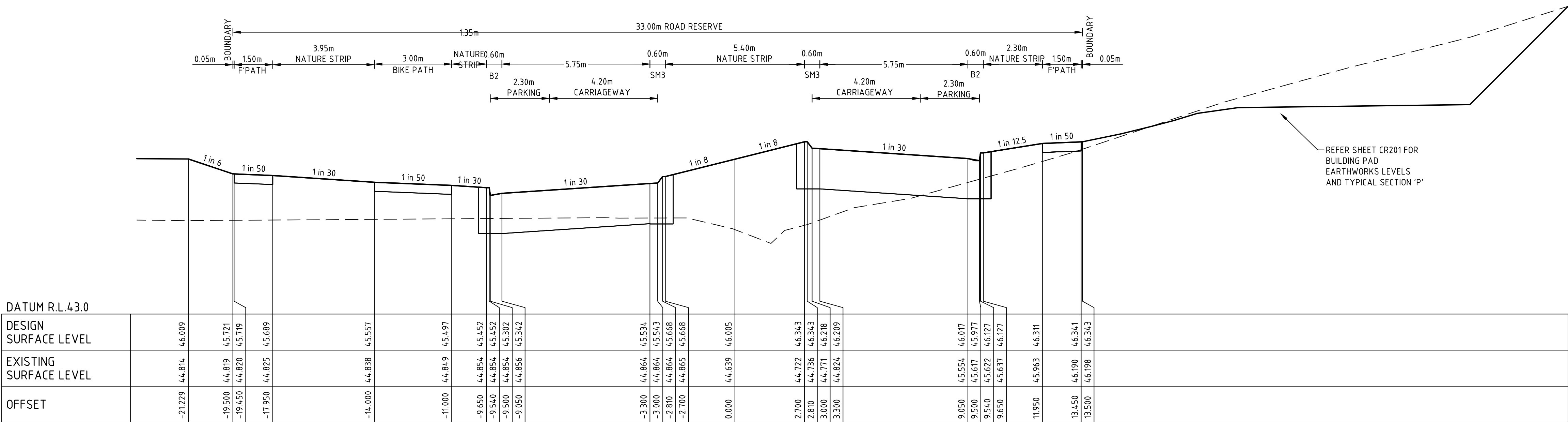
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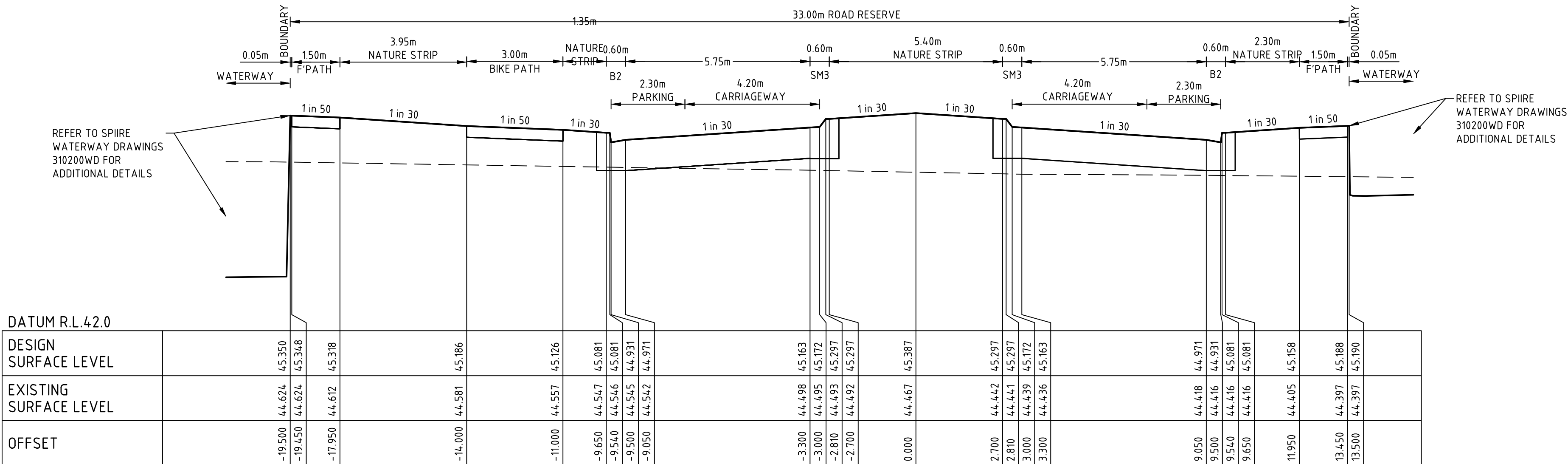
Rev
B

FILLING NOTE
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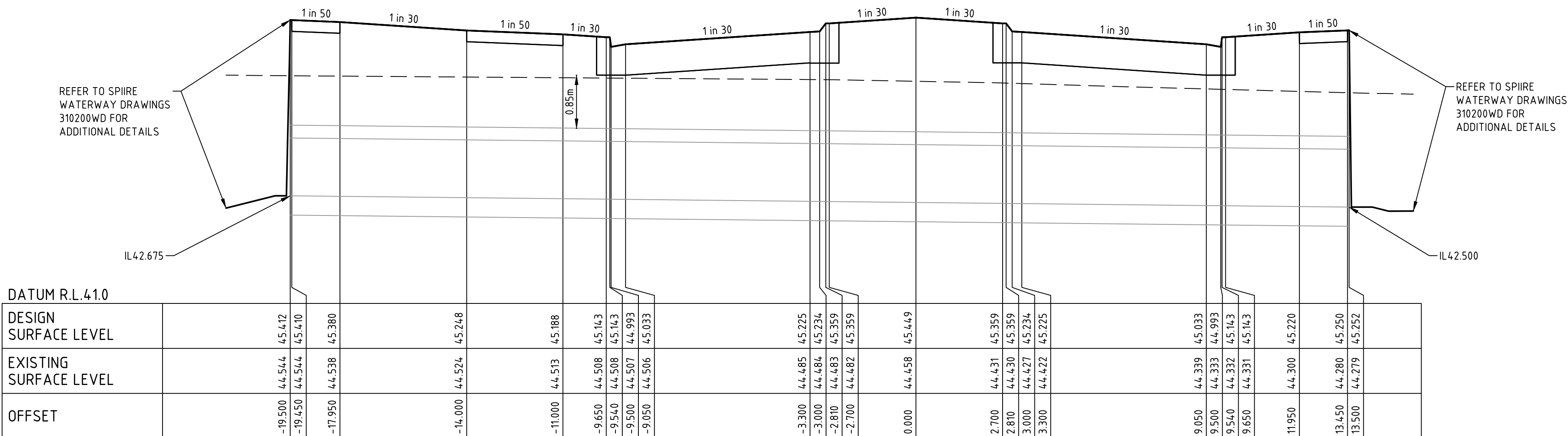
PRATINCOLE BOULEVARD

CH 385.91



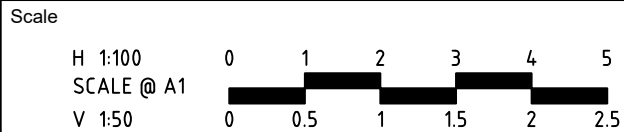
PRATINCOLE BOULEVARD

CH 311.73



PRATINCOLE BOULEVARD

CH 299.35



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Date
FEBRUARY 25

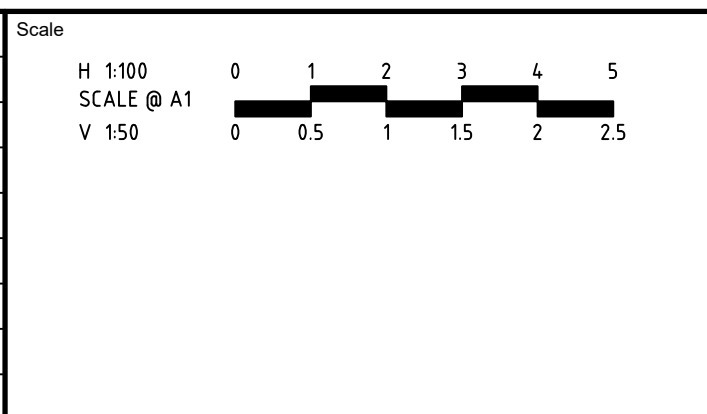
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STAGE 7
ROAD AND DRAINAGE
CROSS SECTIONS - SHEET 2
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No 310199CR401 Rev C

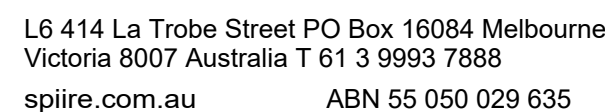
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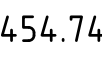
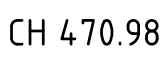
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P.COUNSEL
Authorised
B.WAREHAM

Checked
A.CHARALAMBOUS
Date
FEBRUARY 25

**OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
CROSS SECTIONS - SHEET 3
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD**

PRELIMINARY Drg No Rev
310199CR402 **C**

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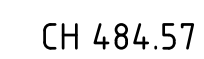
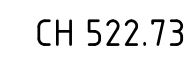
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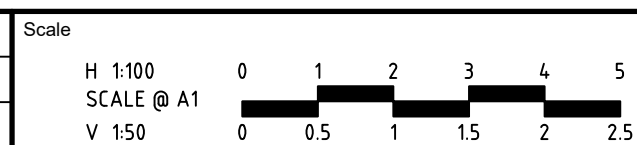
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C	RE-ISSUED TO COUNCIL	B.W	05-09-25
B	ISSUED TO COUNCIL	B.W	29-05-25
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Checked
A.CHARALAMBOUS

Date
FEBRUARY 25

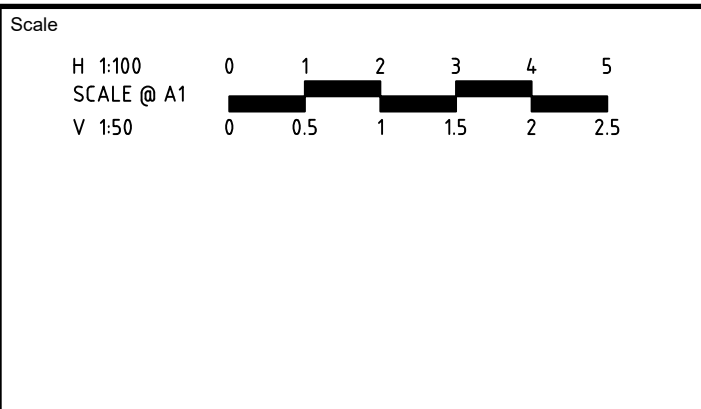
PRELIMINARY Drg No **310199CR404**

C

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



C	RE-ISSUED TO COUNCIL	B.W	05-09-25
B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25
Rev	Amendments	Approved	Date



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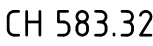
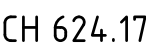
Designed
P.COUNSEL
Authorised
B.WAREHAM

Checked
A.CHARALAMBOUS
Date
FEBRUARY 25

**OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
CROSS SECTIONS - SHEET 6
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD**

PRELIMINARY Drg No **310199CR405** Rev **C**

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Scale

H 1:100
SCALE @ A1
V 150

0 0.5 1 1.5 2 2.5 3 4 5

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Developments

Checked
A.CHARALAMBOUS
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FEBRUARY 25

PRELIMINARY 310199CR406

Rev

C

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



Scale

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SCALE @ A1
V 150

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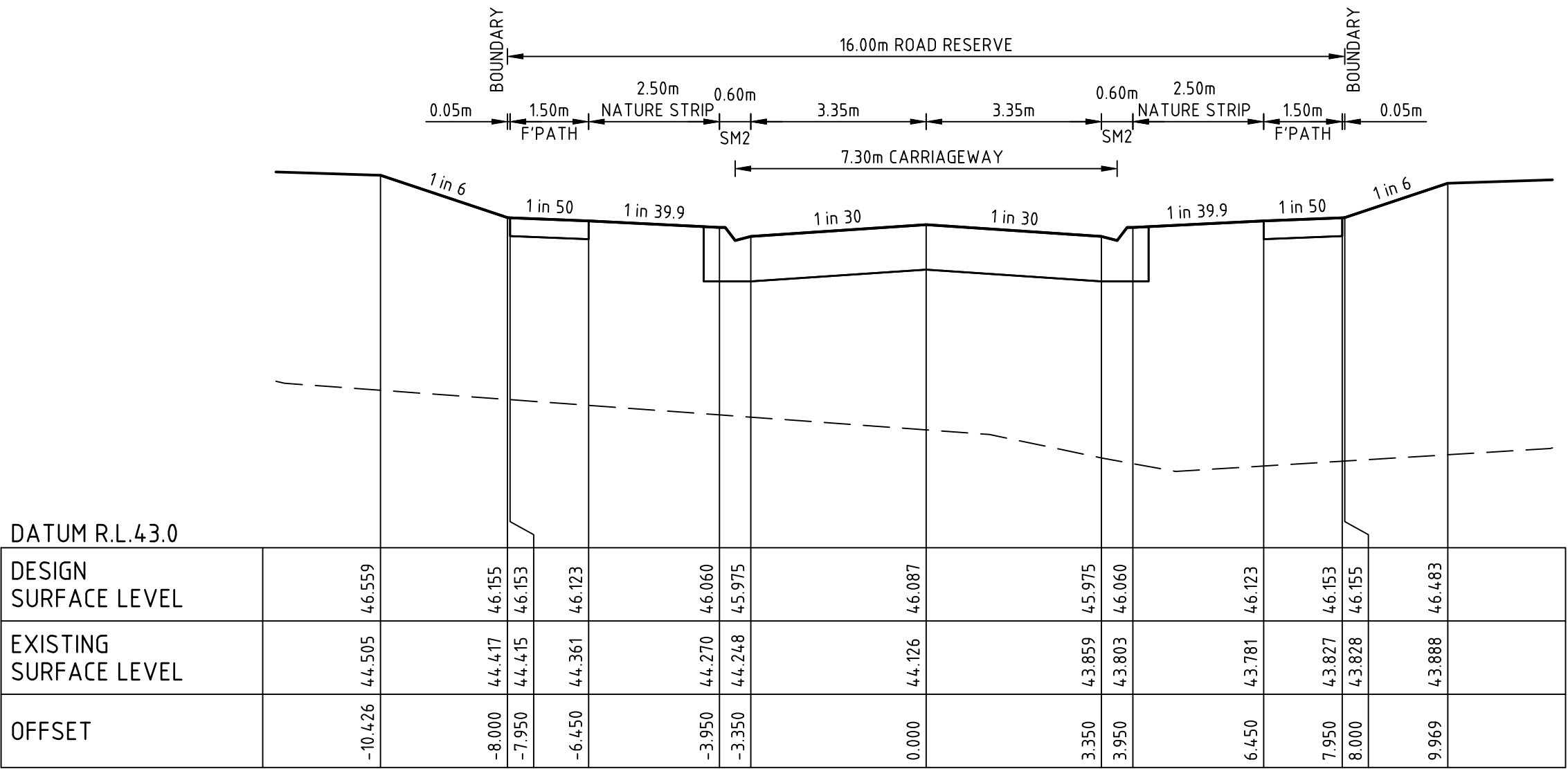
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Designed	Checked
P.COUNSEL	A.CHARALAMBOUS
Authorised	Date
B.WAREHAM	FEBRUARY 25

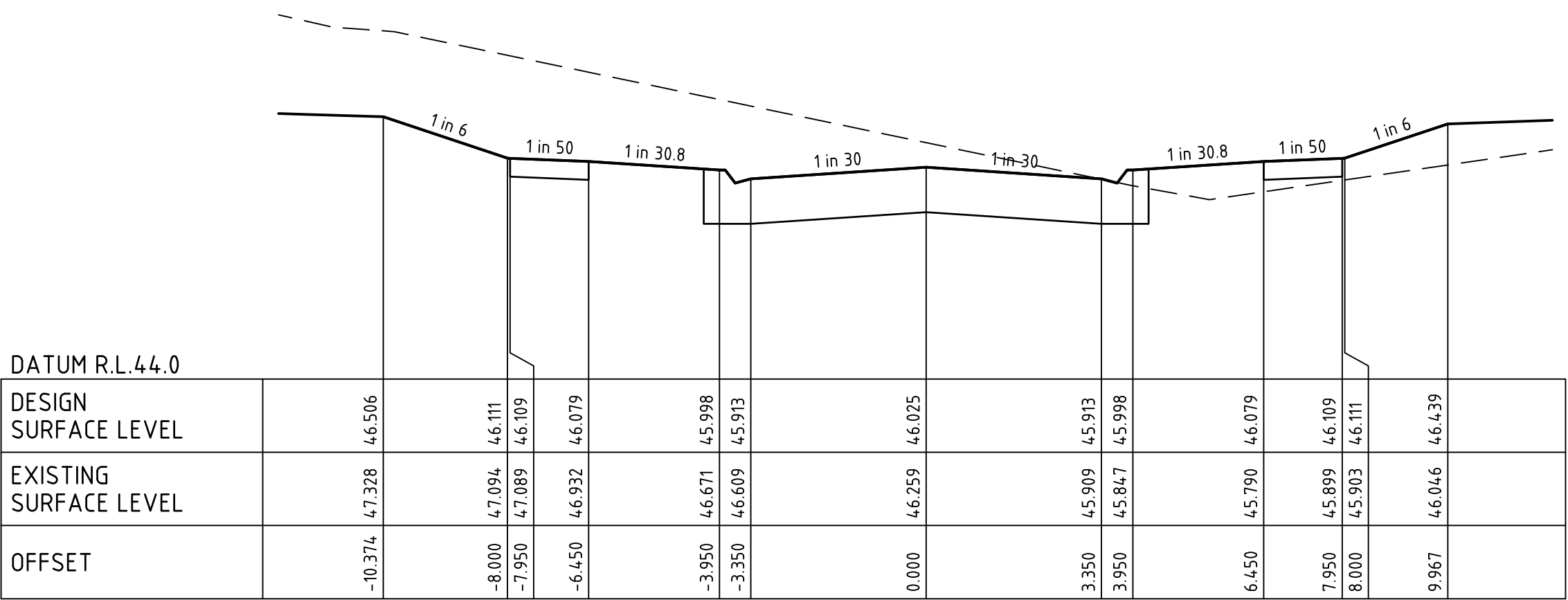
PRELIMINARY Urg No Rev
310199CR407 **B**

FILLING NOTE
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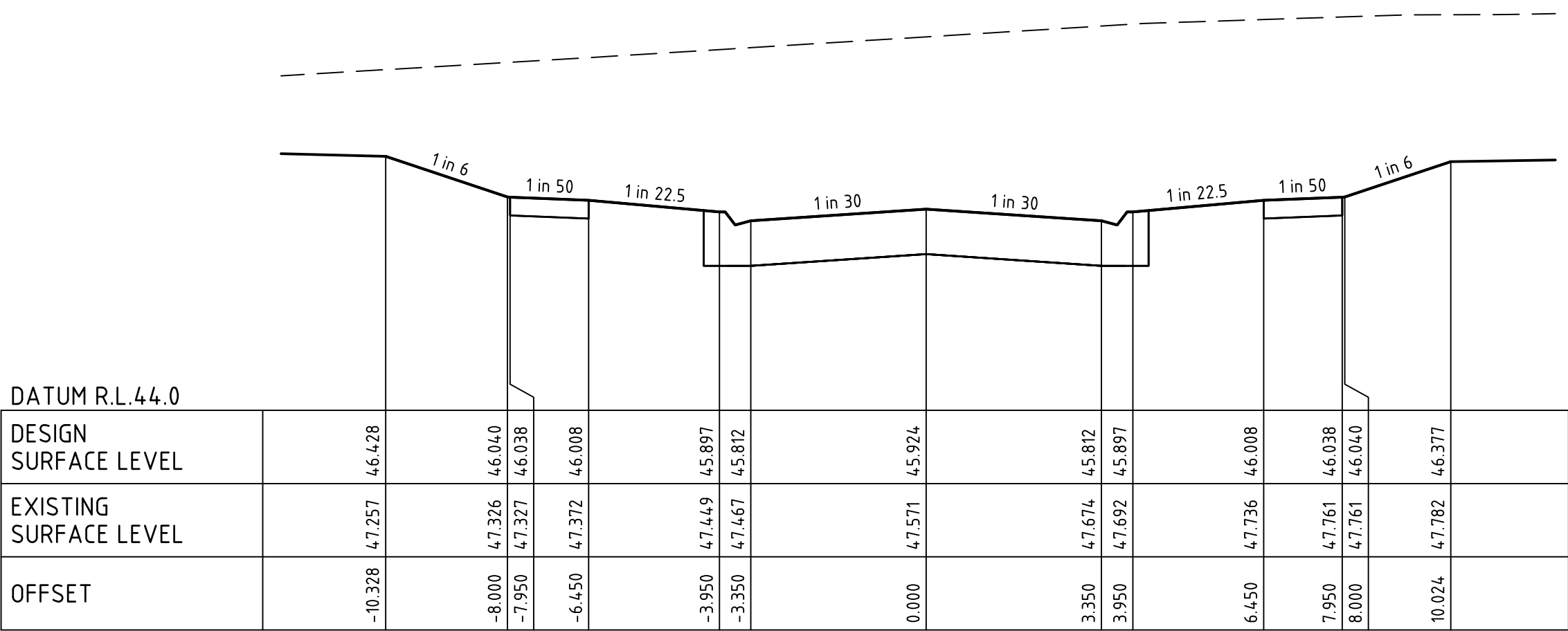
THICKET STREET

CH 69.05



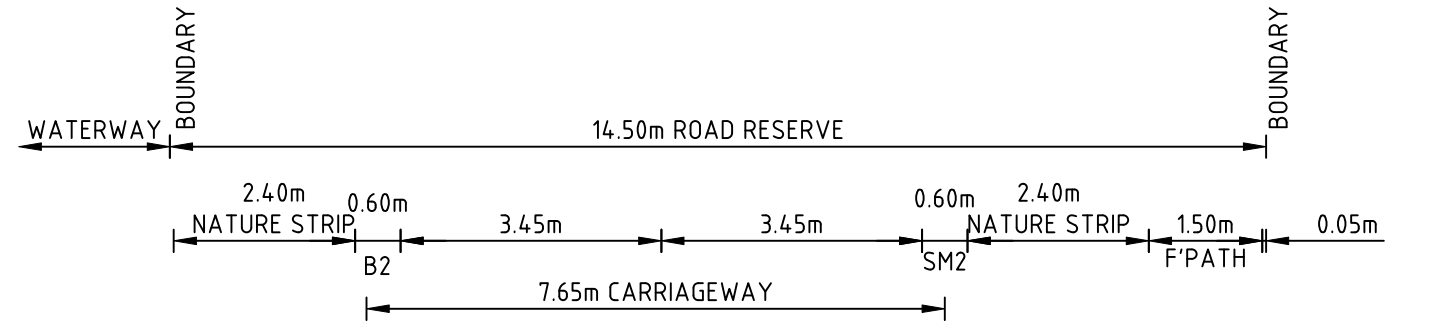
THICKET STREET

CH 56.55



THICKET STREET

CH 36.36

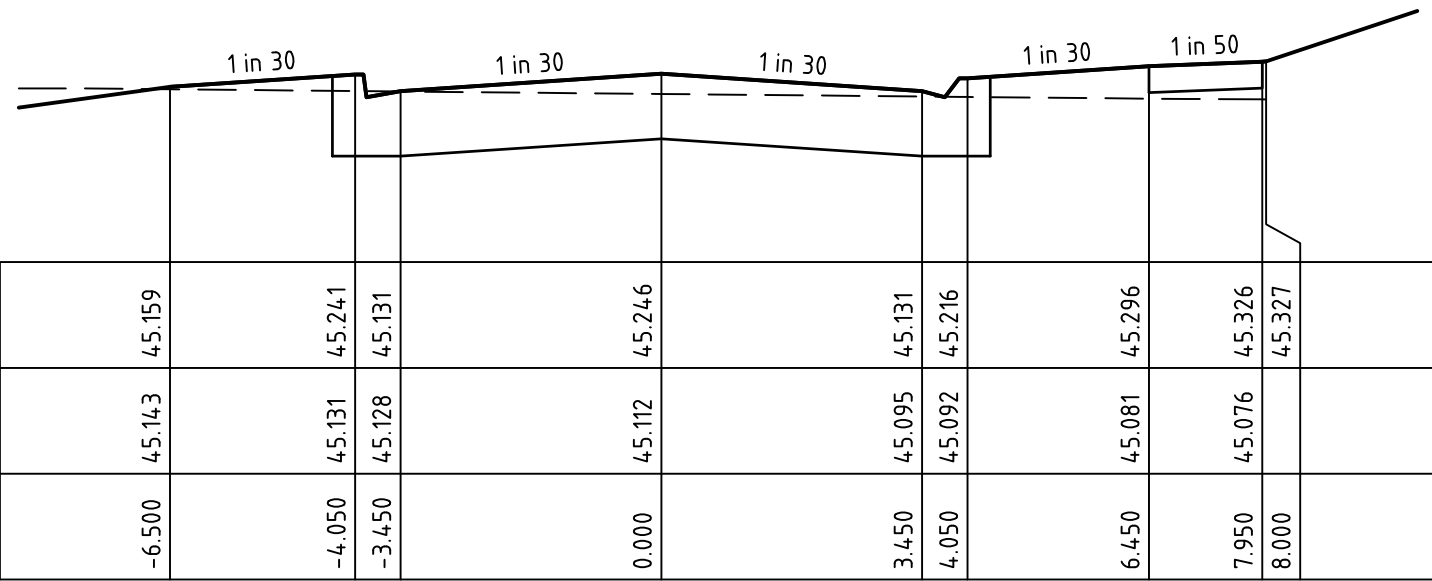


DATUM R.L.44.0

DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

HEFFERMAN DRIVE

CH 73.97



DATUM R.L.44.0

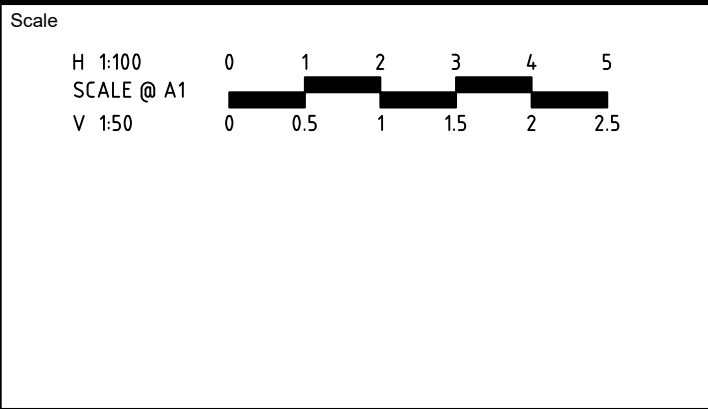
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EXISTING SURFACE LEVEL	
OFFSET	

HEFFERMAN DRIVE

CH 70.22

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Rev	B	ISSUED TO COUNCIL	B.W	29-05-25
	A	ISSUED TO CLIENT	B.W	07-02-25
		Amendments	Approved	Date



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YourLand Developments
Designed: P.COUNSEL
Authorised: B.WAREHAM
Checked: A.CHARALAMBOUS
Date: FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
CROSS SECTIONS - SHEET 9
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD
PRELIMINARY
Drg No: 310199CR408
Rev: B



POINT NO	EASTING	NORTHING	RL
B1	361694.225	5786767.160	44.424
1/4	361695.119	5786767.241	44.431
1/2	361695.986	5786767.472	44.434
3/4	361696.802	5786767.846	44.435
B2	361697.543	5786768.353	44.432
1/4	361698.180	5786768.790	44.428
1/2	361698.879	5786769.117	44.424
3/4	361699.623	5786769.325	44.420
B3	361700.391	5786769.409	44.416

Diagram illustrating a parabolic vertical curve with three benchmark points (BT1, BT2, BT3) and a 3.59m vertical curve length. The curve is defined by a 0.5% grade, a 0.91% grade, and a -0.5% grade. The horizontal distance between the start of the 0.91% grade and the start of the -0.5% grade is 3.59m. The 1% grade is shown to the right of the -0.5% grade.

ALIGNMENT BT

POINT NO	EASTING	NORTHING	RL
BU1	361694.308	5786753.360	44.424
1/4	361695.177	5786753.294	44.430
1/2	361696.024	5786753.086	44.433
3/4	361696.825	5786752.742	44.432
BU2	361697.558	5786752.271	44.429
1/4	361698.229	5786751.843	44.425
1/2	361698.962	5786751.534	44.421
3/4	361699.736	5786751.354	44.417
BU3	361700.530	5786751.306	44.413

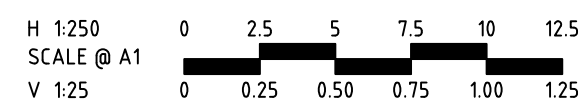
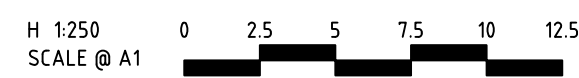
ALIGNMENT BU



POINT NO	EASTING	NORTHING	RL
BE1	361199.819	5788962.544	45.812
BE2	361198.136	5788951.795	45.758
1/4	361197.964	5788949.110	45.744
1/2	361198.285	5788946.438	45.841
3/4	361199.087	5788943.870	45.827
BE3	362000.344	5788941.492	45.813
BE4	362002.245	5788938.577	45.780
1/4	362003.443	5788935.606	45.731
1/2	362003.428	5788932.402	45.774
3/4	362002.200	5788929.443	45.761
BE5	361199.943	5788927.170	45.719
1/4	361199.180	5788926.741	45.708
1/2	361198.357	5788926.443	45.696
3/4	361197.496	5788926.285	45.685
BE6	361199.621	5788926.271	45.674
1/4	361195.833	5788926.257	45.663
1/2	361195.057	5788926.111	45.653
3/4	361194.317	5788925.838	45.643
BE7	361199.633	5788925.445	45.632

POINT NO	EASTING	NORTHING	RL
BF1	3620223.381	5786945.032	45.805
1/4	3620222.749	5786944.559	45.809
1/2	3620222.066	5786943.987	45.813
3/4	3620221.765	5786943.632	45.817
BF2	3620221.441	5786942.613	45.821
1/4	3620221.079	5786941.810	45.825
1/2	3620220.590	5786941.078	45.829
3/4	3620219.986	5786940.437	45.832
BF3	3620219.285	5786939.905	45.831
1/4	3620216.289	5786938.741	45.798
1/2	3620213.076	5786938.801	45.758
3/4	3620210.126	5786940.078	45.718
BF4	3620207.883	5786942.379	45.789
BF5	362005.833	5786945.523	45.831
1/4	362005.209	5786946.705	45.843
1/2	362004.811	5786947.980	45.855
3/4	362004.651	5786949.307	45.793
BF6	362004.736	5786950.640	45.757
BF7	362006.439	5786961.507	45.812

ALIGNMENT BE



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Designed
P.COUNSEL

Authorised
B.WAREHAM

Checked
A.CHARALAMBOUS

Date
FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 1
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No **310199CR500**

Rev
E

ALIGNMENT BA

ALIGNMENT BC

ALIGNMENT BB

ALIGNMENT BD

KERB RETURN SETOUT DETAIL

ALIGNMENT BA

POINT NO	EASTING	NORTHING	RL
BA1	361918.544	5786889.206	45.634
1/4	361919.466	5786886.190	45.740
1/2	361920.646	5786883.263	45.756
3/4	361922.060	5786880.446	45.740
BA2	361923.715	5786877.761	45.678
1/4	361925.156	5786873.733	45.612
1/2	361924.477	5786869.509	45.588
3/4	361921.848	5786866.134	45.550
BA3	361917.918	5786864.444	45.510
1/4	361917.253	5786864.291	45.504
1/2	361916.618	5786864.042	45.498
3/4	361916.026	5786863.705	45.492
BA4	361915.488	5786863.285	45.485

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
BA1-BA2	37.000	12.620	12.559	0.537	-0.134
BA2-BA3	8.600	17.294	14.524	3.993	1.064
BA3-BA4	4.700	2.730	2.692	0.197	-0.049

ALIGNMENT BC

POINT NO	EASTING	NORTHING	RL
BC1	361927.634	5786849.865	46.160
1/4	361928.167	5786850.435	46.166
1/2	361928.599	5786851.086	46.176
3/4	361928.916	5786851.798	46.190
BC2	361929.112	5786852.554	46.208
1/4	361929.338	5786853.422	46.229
1/2	361929.707	5786854.239	46.245
3/4	361930.209	5786854.982	46.257
BC3	361930.829	5786855.630	46.264

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
BC1-BC2	4.700	3.126	3.068	0.257	-0.065
BC2-BC3	5.300	3.591	3.523	0.301	0.076

ALIGNMENT BB

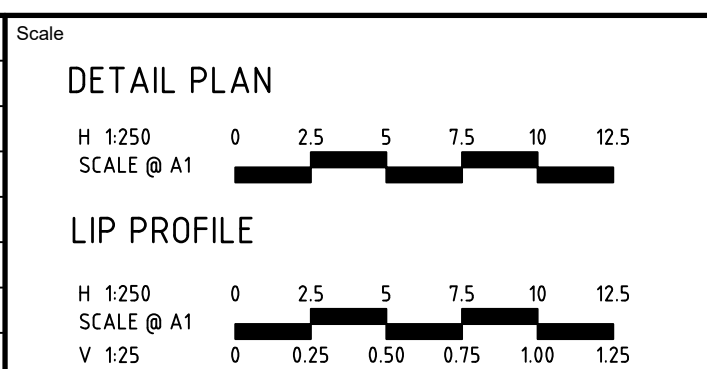
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BB1	361944.693	5786888.518	45.676
1/4	361944.194	5786888.043	45.679
1/2	361943.769	5786887.501	45.683
3/4	361943.429	5786886.902	45.686
BB2	361943.180	5786886.260	45.690
1/4	361942.080	5786883.960	45.703
1/2	361940.355	5786882.084	45.705
3/4	361938.155	5786880.795	45.685
BB3	361935.674	5786880.208	45.654
1/4	361933.130	5786880.375	45.624
1/2	361930.747	5786881.279	45.593
3/4	361928.733	5786882.843	45.659
BB4	361927.267	5786884.928	45.699
1/4	361926.591	5786886.372	45.712
1/2	361925.991	5786887.849	45.725
3/4	361925.471	5786889.356	45.714
BB5	361925.030	5786890.888	45.634

ALIGNMENT BD

POINT NO	EASTING	NORTHING	RL
BD1	361950.049	5786872.206	46.391
1/4	361950.776	5786872.724	46.394
1/2	361951.580	5786873.112	46.392
3/4	361952.437	5786873.359	46.387
BD2	361953.324	5786873.459	46.378
1/4	361954.092	5786873.545	46.369
1/2	361954.836	5786873.755	46.362
3/4	361955.536	5786874.084	46.356
BD3	361956.172	5786874.523	46.351

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
BD1-BD2	5.300	3.574	3.506	0.298	0.075
BD2-BD3	4.700	3.096	3.040	0.253	-0.064

B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25
Rev	Amendments	Approved	Date



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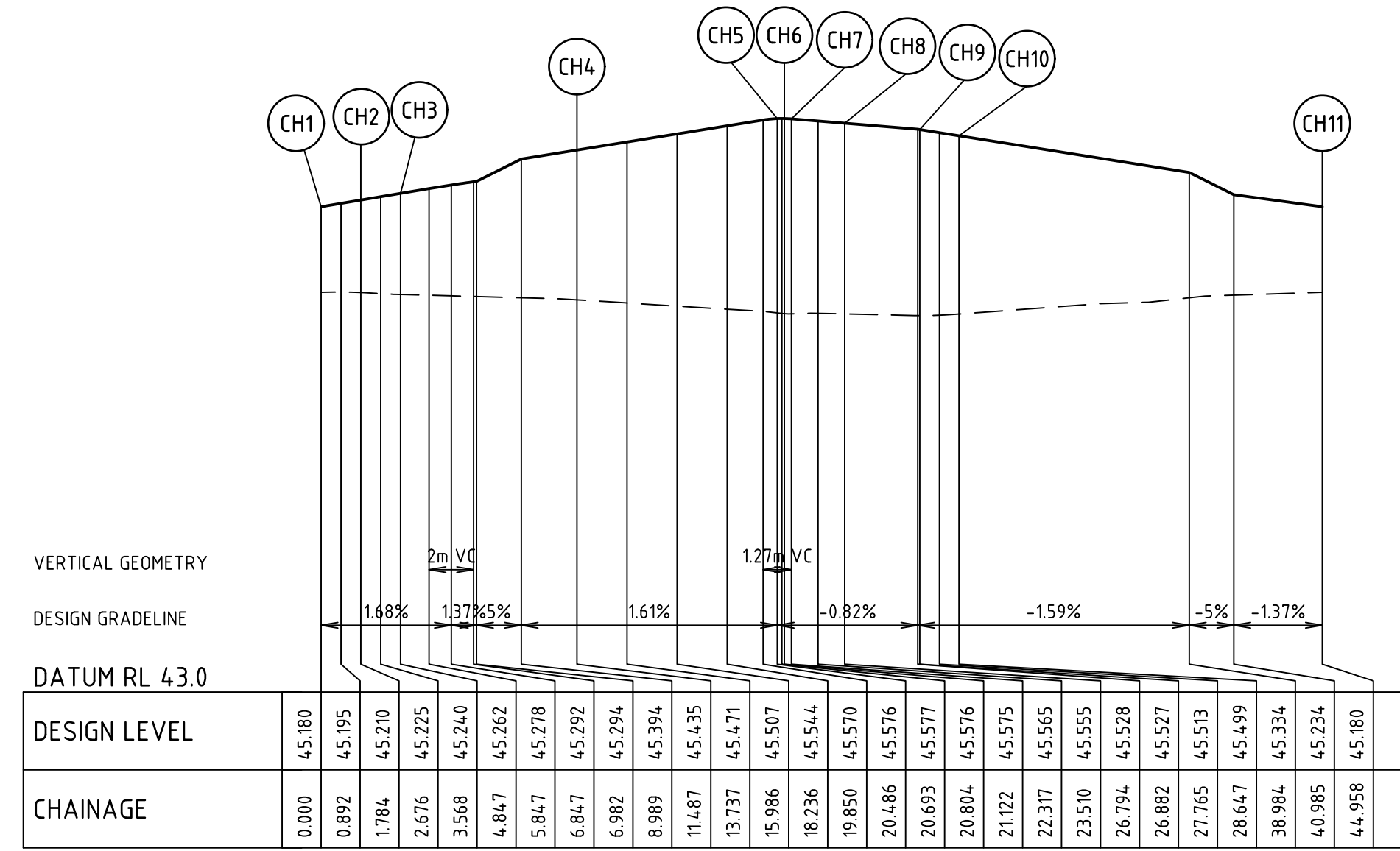
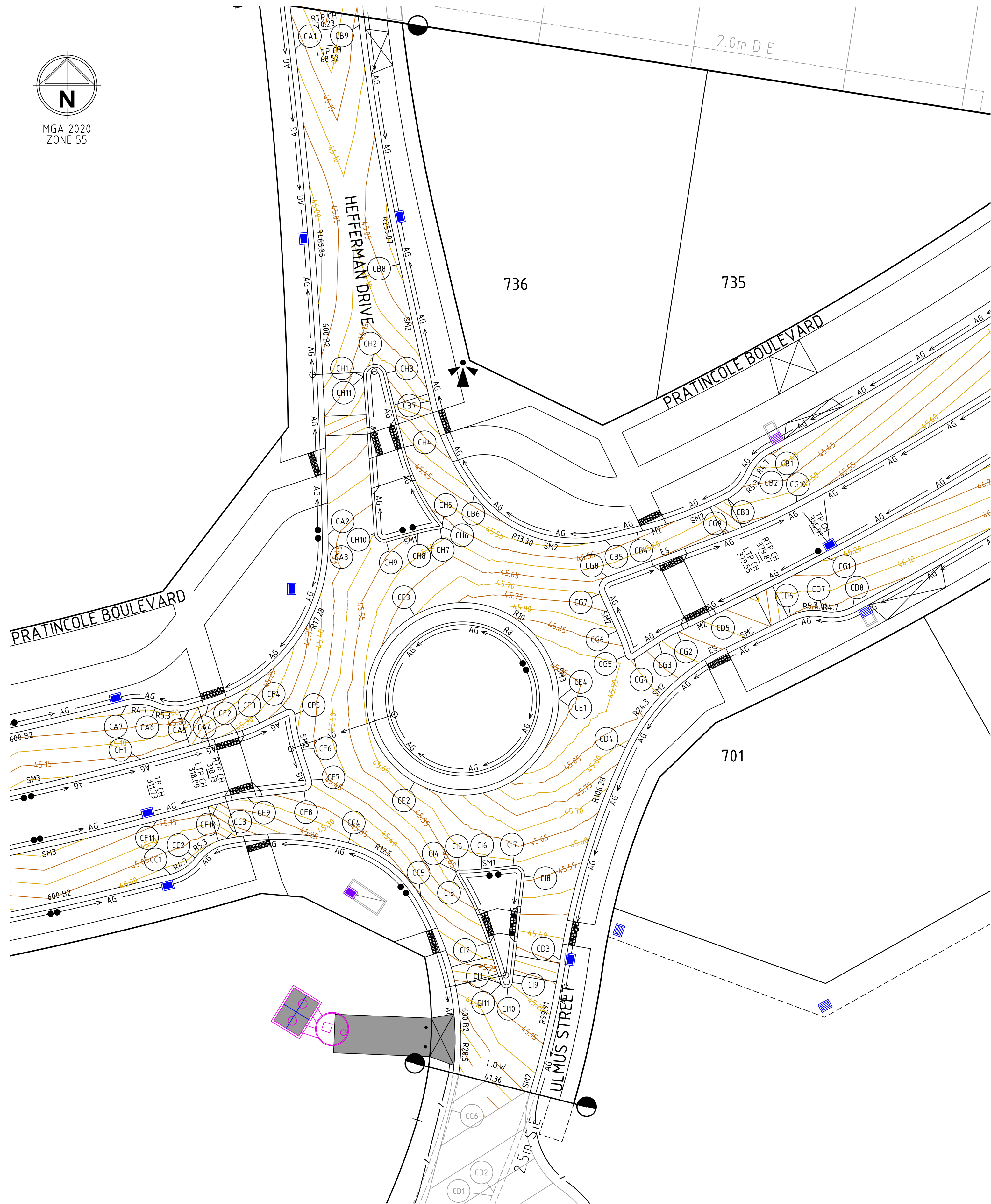
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Date
FEBRUARY 25

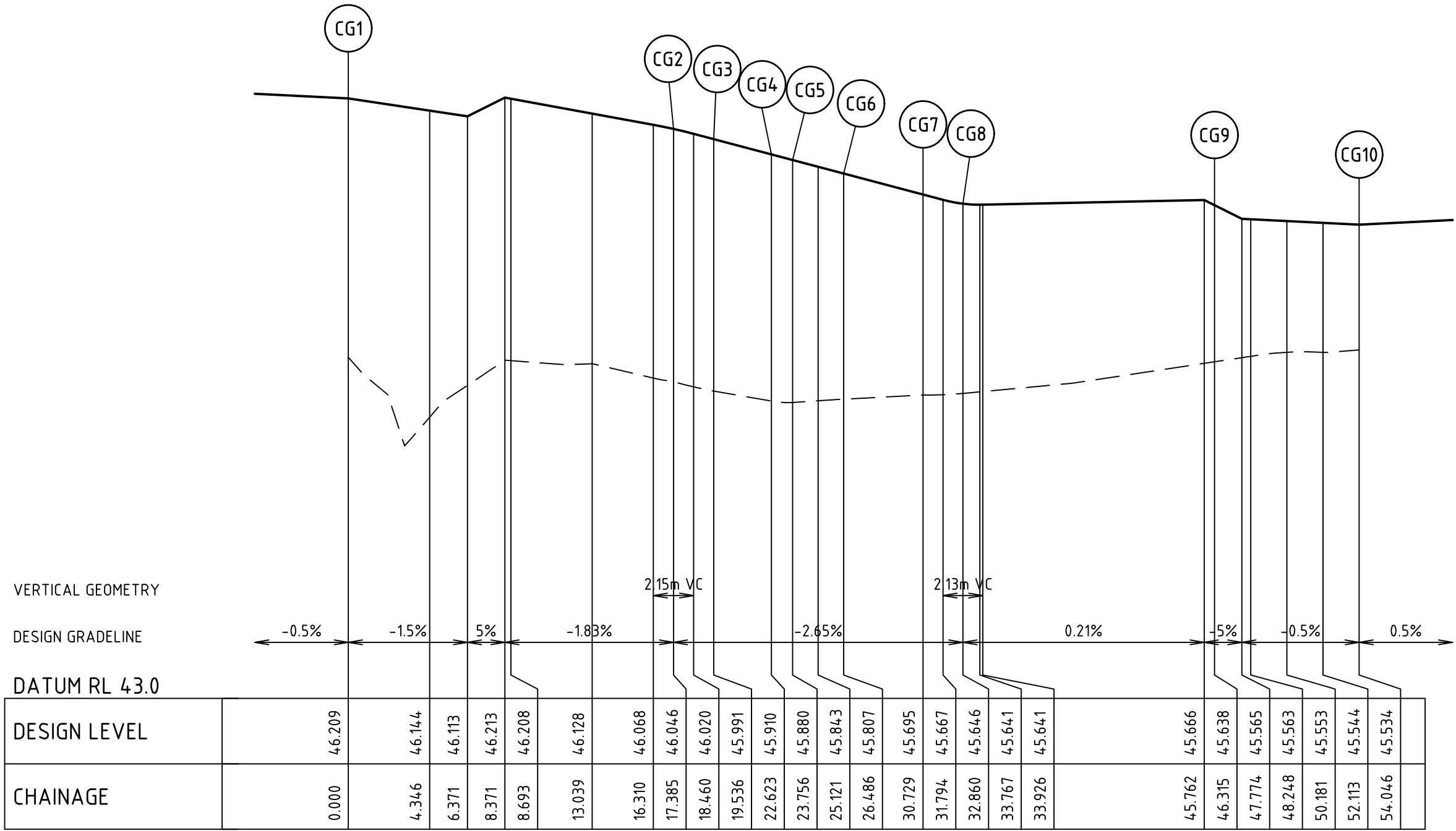
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STAGE 7
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 2
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY	Drg No 310199CR501	Rev B
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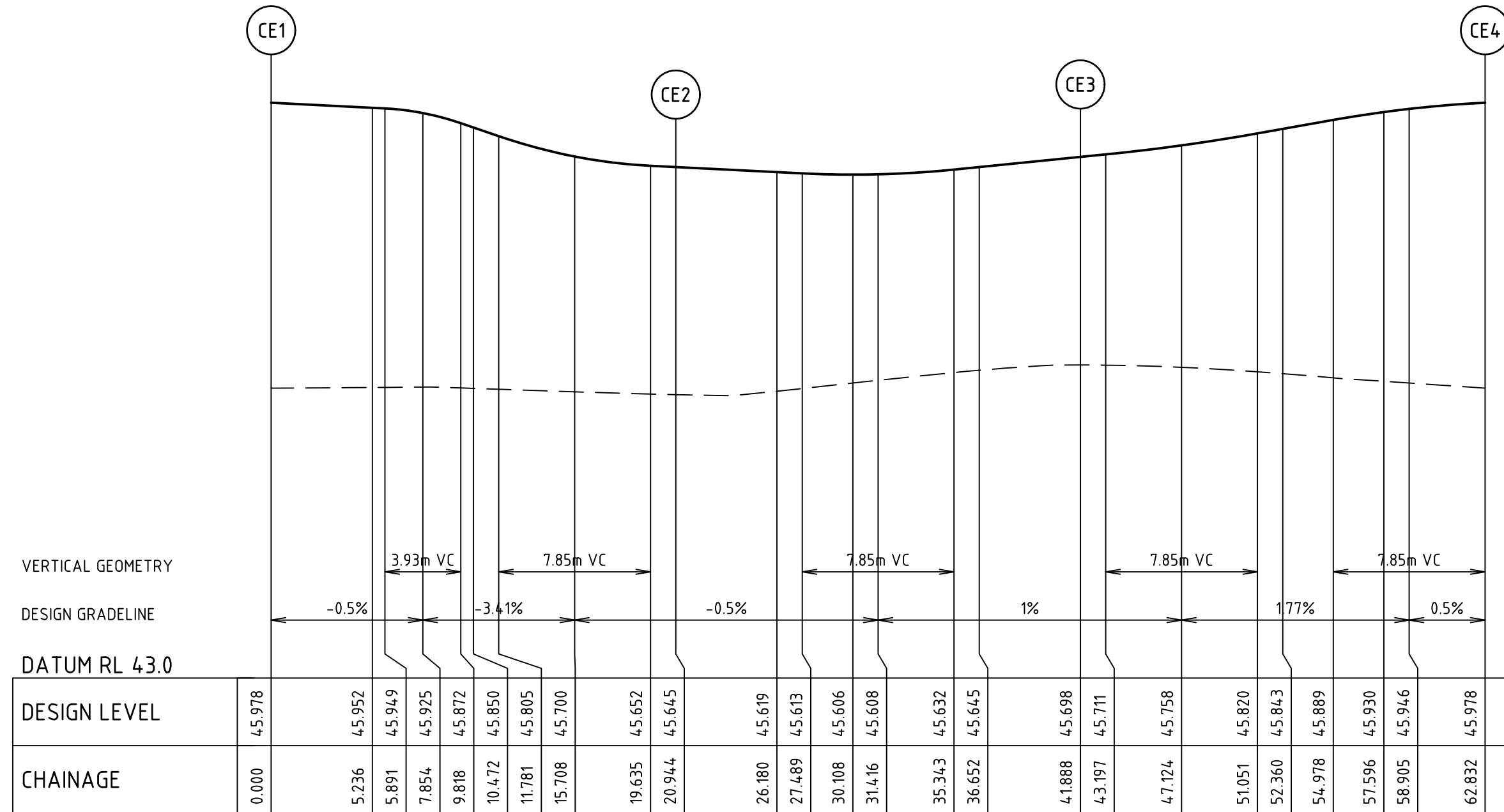
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ALIGNMENT CG



ALIGNMENT CE

ALIGNMENT CE

POINT NO	EASTING	NORTHING	RL	
CE1	361816.428	5786780.285	45.978	
1/4	361815.088	5786775.285	45.952	
1/2	361811.428	5786771.624	45.850	
3/4	361806.428	5786770.285	45.700	
CE2	361801.428	5786771.624	45.645	
1/4	361797.767	5786775.285	45.619	
1/2	361796.428	5786780.285	45.608	
3/4	361797.767	5786785.285	45.645	
CE3	361801.428	5786788.945	45.698	
1/4	361806.428	5786790.285	45.758	
1/2	361811.428	5786788.945	45.843	
3/4	361815.088	5786785.285	45.930	
CE4	361816.428	5786780.285	45.978	
CURVE	RADIUS	ARC L	CHORD	MID ORD
CE1-CE2	10.000	20.944	17.321	5.000
CE2-CE3	10.000	20.944	17.321	5.000
CE3-CE4	10.000	-41.888	-17.321	15.000

ALIGNMENT CF

POINT NO	EASTING	NORTHING	RL
CF1	361772.966	5786774.004	45.163
1/4	361775.488	5786774.680	45.176
1/2	361778.004	5786775.376	45.189
3/4	361780.514	5786776.094	45.294
CF2	361783.018	5786776.832	45.315
1/4	361783.618	5786777.026	45.322
1/2	361784.210	5786777.245	45.328
3/4	361784.791	5786777.490	45.334
CF3	361785.362	5786777.759	45.340
CF4	361788.138	5786779.143	45.371
1/4	361788.419	5786779.206	45.374
1/2	361788.697	5786779.131	45.377
3/4	361788.908	5786778.934	45.380
CF5	361789.003	5786778.662	45.383
1/4	361789.113	5786777.743	45.392
1/2	361789.272	5786776.831	45.402
3/4	361789.478	5786775.928	45.409
CF6	361789.733	5786775.038	45.413
CF7	361790.733	5786771.855	45.403
1/4	361790.766	5786771.465	45.401
1/2	361790.630	5786771.097	45.399
3/4	361790.350	5786770.822	45.397
CF8	361789.980	5786770.692	45.394
CF9	361784.112	5786769.994	45.314
1/4	361783.332	5786769.885	45.305
1/2	361782.558	5786769.745	45.297
3/4	361781.789	5786769.575	45.284
CF10	361781.028	5786769.374	45.244
1/4	361779.437	5786768.923	45.188
1/2	361777.843	5786768.481	45.180
3/4	361776.247	5786768.047	45.171
CF11	361774.649	5786767.622	45.163

ALIGNMENT CI

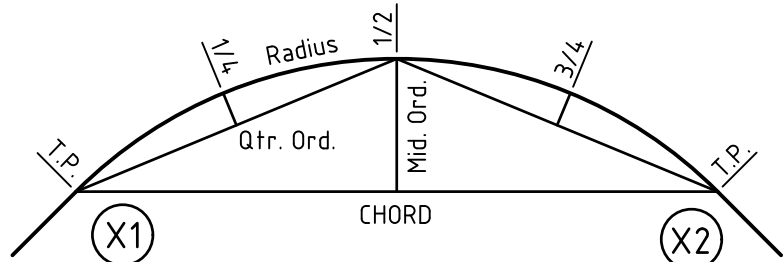
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CI1	361810.421	5786750.682	45.200
CI2	361809.046	5786754.953	45.356
1/4	361808.393	5786756.792	45.404
1/2	361807.631	5786758.589	45.452
3/4	361806.764	5786760.338	45.500
CI3	361805.795	5786762.032	45.547
1/4	361805.762	5786762.105	45.549
1/2	361805.750	5786762.184	45.551
3/4	361805.760	5786762.264	45.552
CI4	361805.790	5786762.338	45.554
1/4	361805.839	5786762.401	45.555
1/2	361805.903	5786762.450	45.556
3/4	361805.977	5786762.479	45.556
CI5	361806.057	5786762.489	45.557
1/4	361806.639	5786762.486	45.560
1/2	361807.222	5786762.503	45.563
3/4	361807.803	5786762.538	45.566
CI6	361808.384	5786762.593	45.569
CI7	361811.770	5786762.968	45.586
1/4	361812.204	5786762.908	45.586
1/2	361812.571	5786762.668	45.583
3/4	361812.800	5786762.294	45.575
CI8	361812.847	5786761.859	45.564
CI9	361811.588	5786750.798	45.205
1/4	361811.532	5786750.604	45.201
1/2	361811.413	5786750.439	45.198
3/4	361811.247	5786750.323	45.195
CI10	361811.052	5786750.269	45.194
1/4	361810.849	5786750.283	45.194
1/2	361810.663	5786750.364	45.195
3/4	361810.515	5786750.503	45.197
CI11	361810.421	5786750.682	45.200

ALIGNMENT CG

POINT NO	EASTING	NORTHING	RL
CG1	361844.260	5786794.932	46.209
1/4	361840.411	5786792.913	46.144
1/2	361836.536	5786790.945	46.208
3/4	361832.634	5786789.030	46.128
CG2	361828.707	5786787.168	46.046
1/4	361828.224	5786786.932	46.033
1/2	361827.750	5786786.678	46.020
3/4	361827.285	5786786.408	46.005
CG3	361826.831	5786786.120	45.991
CG4	361824.253	5786784.422	45.910
1/4	361823.989	5786784.327	45.902
1/2	361823.710	5786784.362	45.895
3/4	361823.478	5786784.521	45.887
CG5	361823.344	5786784.767	45.880
1/4	361823.153	5786785.422	45.861
1/2	361822.937	5786786.070	45.843
3/4	361822.696	5786786.708	45.825
CG6	361822.430	5786787.336	45.807
CG7	361820.701	5786791.211	45.695
1/4	361820.589	5786791.728	45.681
1/2	361820.691	5786792.247	45.667
3/4	361820.992	5786792.682	45.655
CG8	361821.442	5786792.961	45.646
CG9	361834.076	5786797.589	45.638
1/4	361835.879	5786798.285	45.563
1/2	361837.656	5786799.043	45.553
3/4	361839.407	5786799.862	45.544
CG10	361841.127	5786800.742	45.534

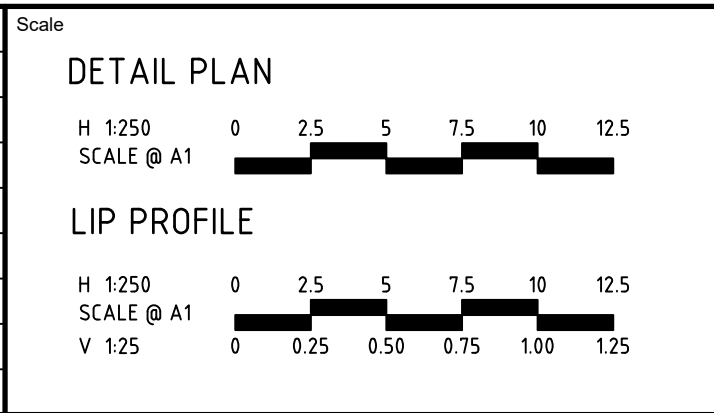
ALIGNMENT CH

POINT NO	EASTING	NORTHING	RL
CH1	361796.131	5786813.753	45.180
1/4	361796.183	5786814.193	45.188
1/2	361796.391	5786814.585	45.195
3/4	361796.138	5786813.987	45.184
CH2	361797.145	5786815.022	45.210
1/4	361797.588	5786815.008	45.218
1/2	361797.996	5786814.833	45.225
3/4	361798.313	5786814.523	45.233
CH3	361798.495	5786814.118	45.240
CH4	361800.357	5786806.422	45.435
1/4	361801.006	5786804.269	45.471
1/2	361801.889	5786802.201	45.507
3/4	361802.996	5786800.244	45.544
CH5	361804.312	5786798.420	45.576
1/4	361804.353	5786798.353	45.576
1/2	361804.376	5786798.277	45.577
3/4	361804.377	5786798.197	45.577
CH6	361804.358	5786798.120	45.576
1/4	361804.319	5786798.051	45.576
1/2	361804.263	5786797.995	45.576
3/4	361804.195	5786797.955	45.575
CH7	361804.118	5786797.934	45.575
1/4	361803.528	5786797.847	45.570
1/2	361802.940	5786797.740	45.565
3/4	361802.357	5786797.613	45.560
CH8	361801.778	5786797.467	45.555
CH9	361798.524	5786796.586	45.527
1/4	361798.086	5786796.567	45.520
1/2	361797.683	5786796.737	45.513
3/4	361797.390	5786797.062	45.506
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CH11	361796.131	5786813.753	45.180



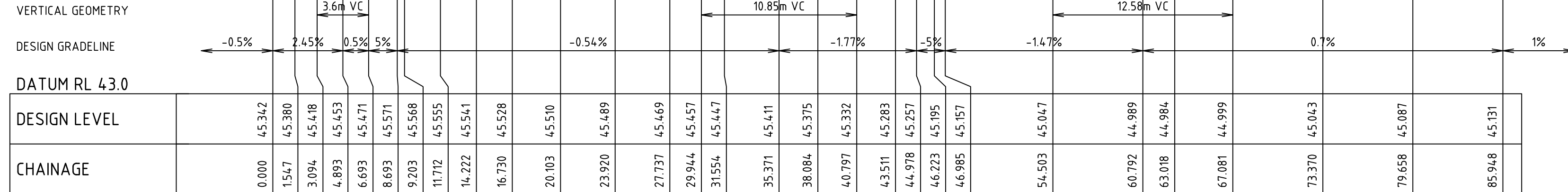
KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25



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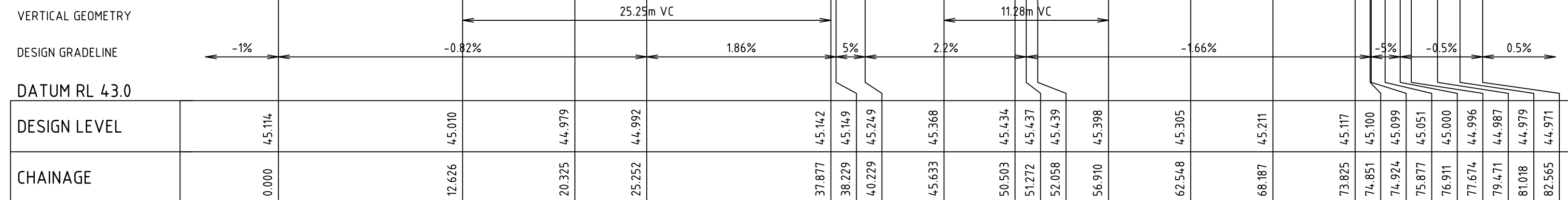


ALIGNMENT CB

ALIGNMENT CB

POINT NO	EASTING	NORTHING	RL
CB1	361838.448	5786805.829	45.342
1/4	361837.798	5786805.411	45.361
1/2	361837.226	5786804.892	45.380
3/4	361836.747	5786804.286	45.399
CB2	361836.373	5786803.610	45.418
1/4	361835.936	5786802.825	45.438
1/2	361835.373	5786802.124	45.453
3/4	361834.700	5786801.529	45.464
CB3	361833.931	5786799.955	45.472
1/4	361833.666	5787799.886	45.568
1/2	361829.339	5786779.947	45.555
3/4	361826.963	5786798.243	45.541
CB4	361824.544	5786797.575	45.528
CB5	361821.269	5786796.770	45.510
1/4	361817.483	5786796.400	45.489
1/2	361813.748	5786797.116	45.469
3/4	361810.367	5786798.861	45.447
CB6	361807.619	5786801.491	45.411
1/4	361806.070	5786803.711	45.375
1/2	361804.770	5786801.102	45.332
3/4	361803.762	5786800.685	45.283
CB7	361803.030	5786811.227	45.195
CB8	361799.891	5786825.453	44.989
1/4	361798.612	5786831.611	44.999
1/2	361797.486	5786837.798	45.043
3/4	361796.513	5786844.011	45.087
CB9	361795.695	5786850.246	45.131

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
CB1-CB2	4.700	3.094	3.038	0.252	-0.063
CB2-CB3	5.300	3.599	3.530	0.303	0.076
CB3-CB4	44.000	10.038	10.016	0.286	0.072
CB5-CB6	13.300	15.268	14.443	2.131	0.544
CB6-CB7	24.300	10.853	10.763	0.603	0.151
CB8-CB9	254.000	25.155	25.145	0.311	0.078

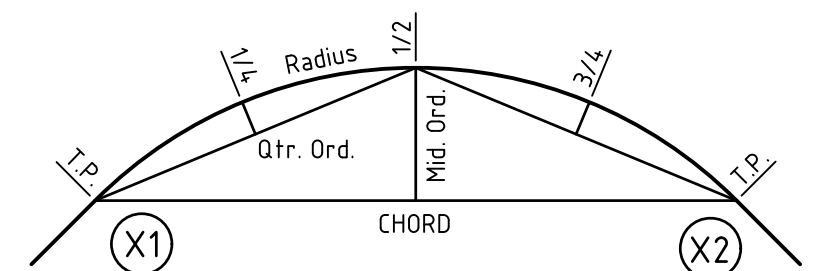


ALIGNMENT CA

ALIGNMENT CA

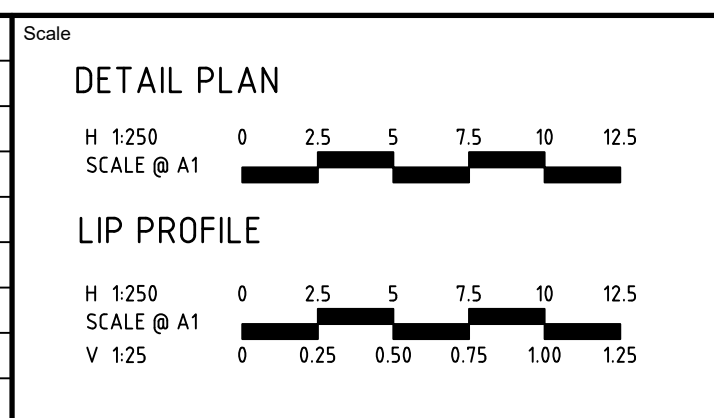
POINT	EASTING	NORTHING	RL
CA1	361789.044	5786847.738	45.114
1/4	361790.374	5786835.182	45.010
1/2	361791.386	5786822.597	44.992
3/4	361792.081	5786809.997	45.142
CA2	361792.452	5786797.347	45.438
CA3	361792.469	5786796.603	45.437
1/4	361791.654	5786791.049	45.398
1/2	361789.103	5786786.049	45.305
3/4	361785.085	5786782.128	45.211
CA4	361780.024	5786779.701	45.117
1/4	361779.531	5786779.557	45.099
1/2	361779.033	5786778.515	45.108
3/4	361778.545	5786779.273	45.077
CA5	361778.052	5786779.132	45.051
CA6	361777.171	5786778.960	45.006
1/2	361776.274	5786778.939	44.996
3/4	361775.386	5786779.069	44.991
1/4	361774.533	5786779.348	44.987
1/2	361773.793	5786779.586	44.984
3/4	361773.036	5786779.708	44.979
CA7	361772.263	5786779.699	44.975
CA7	361771.503	5786779.564	44.971

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
CA1-CA2	500.000	50.503	50.482	0.638	0.159
CA3-CA4	17.300	22.553	20.990	3.547	0.911
CA4-CA5	312.600	2.052	2.052	0.002	0.000
CA5-CA6	5.300	3.594	3.526	0.302	0.076
CA6-CA7	4.700	3.094	3.038	0.252	-0.063



KERB RETURN SETOUT DETAIL

B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25
Rev	Amendments	Approved Date	Date



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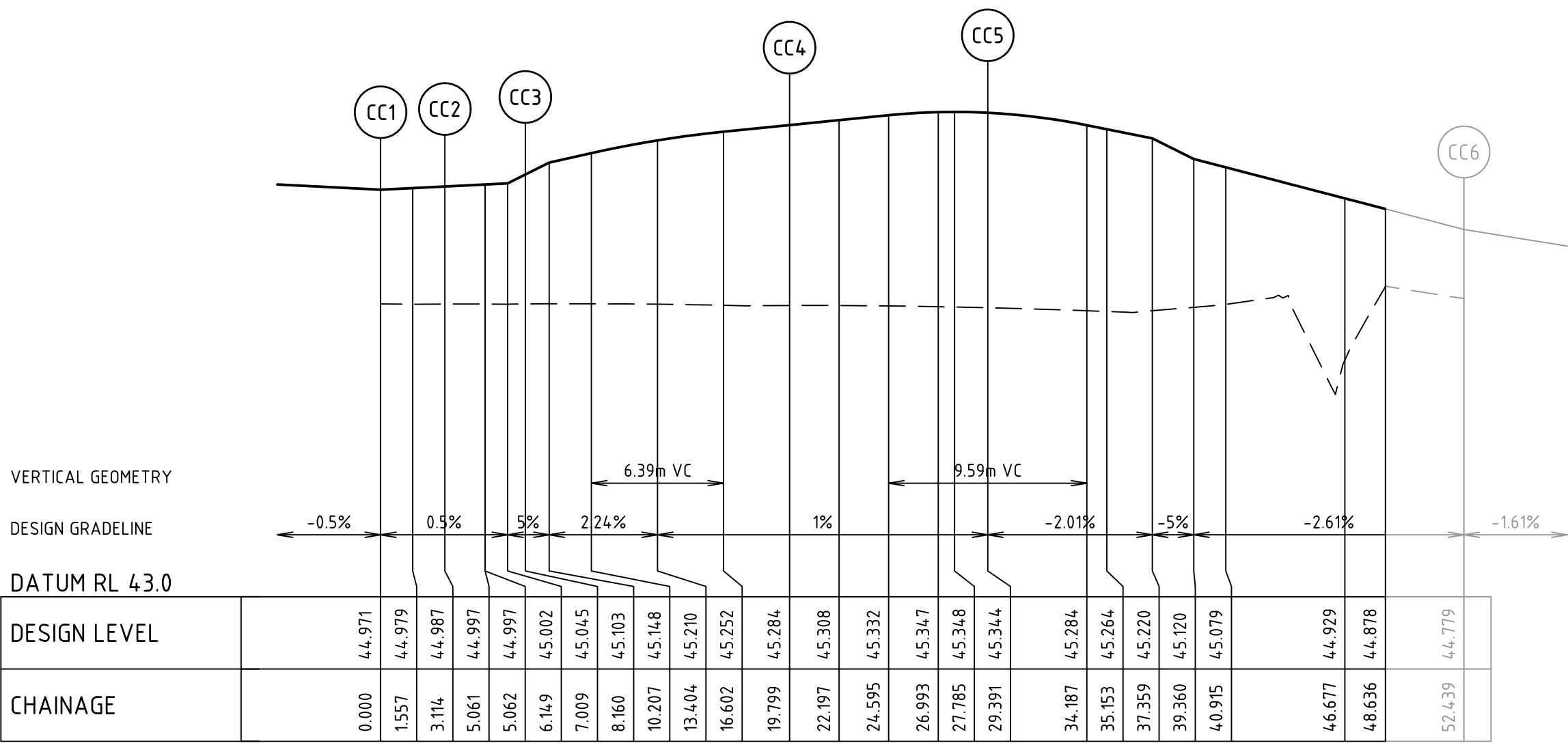
Authorised
B.WAREHAM

Checked
A.CHARALAMBOUS

Date
FEBRUARY 25

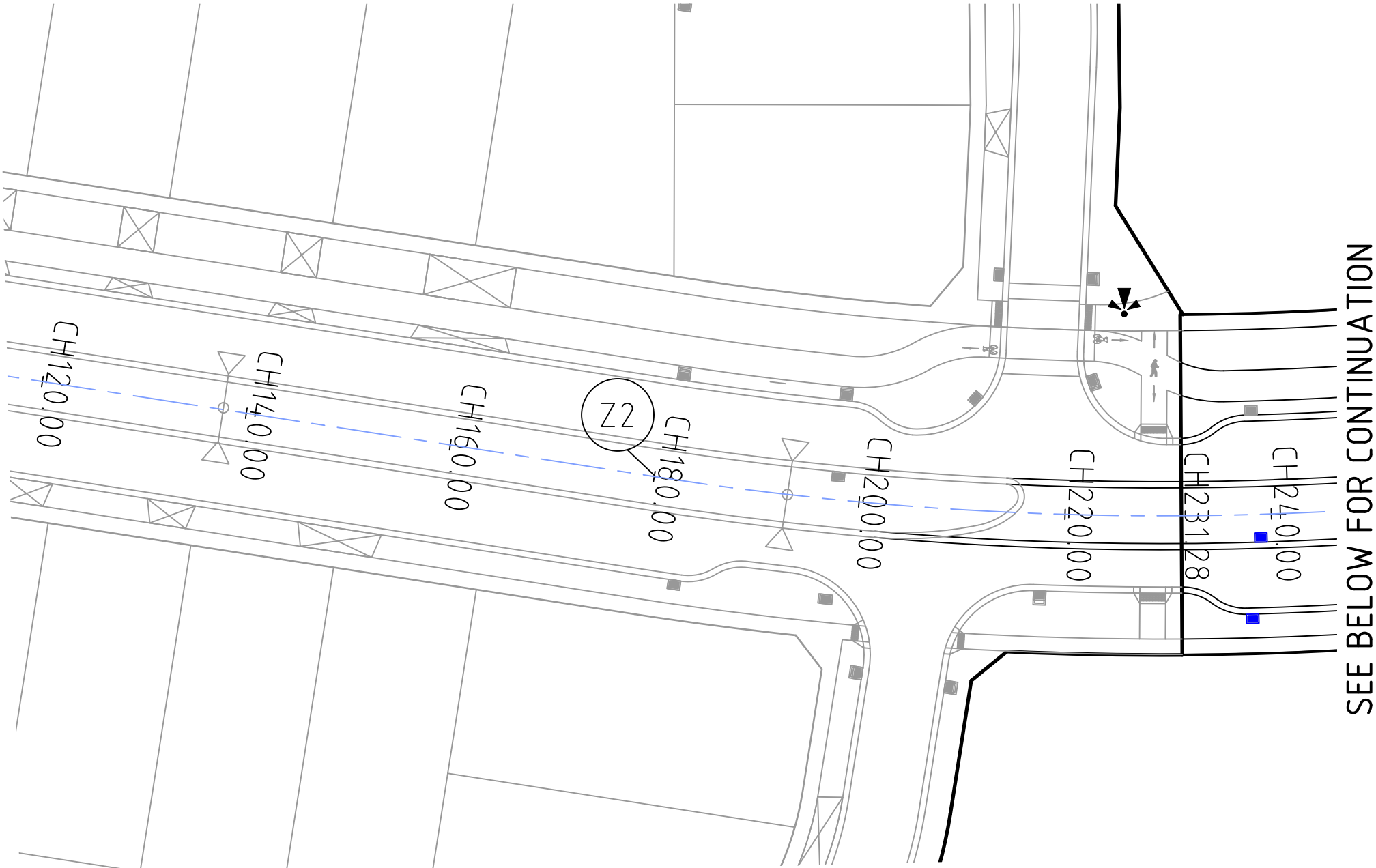
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STAGE 7
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 5
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No **310199CR504**

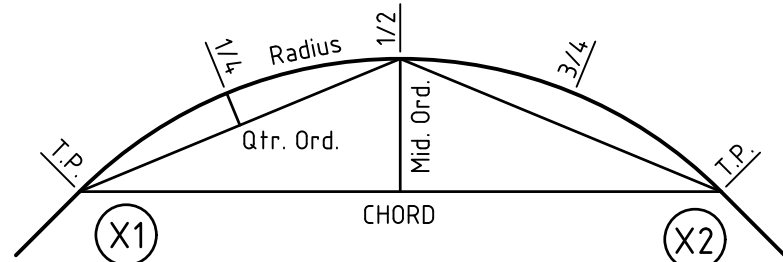
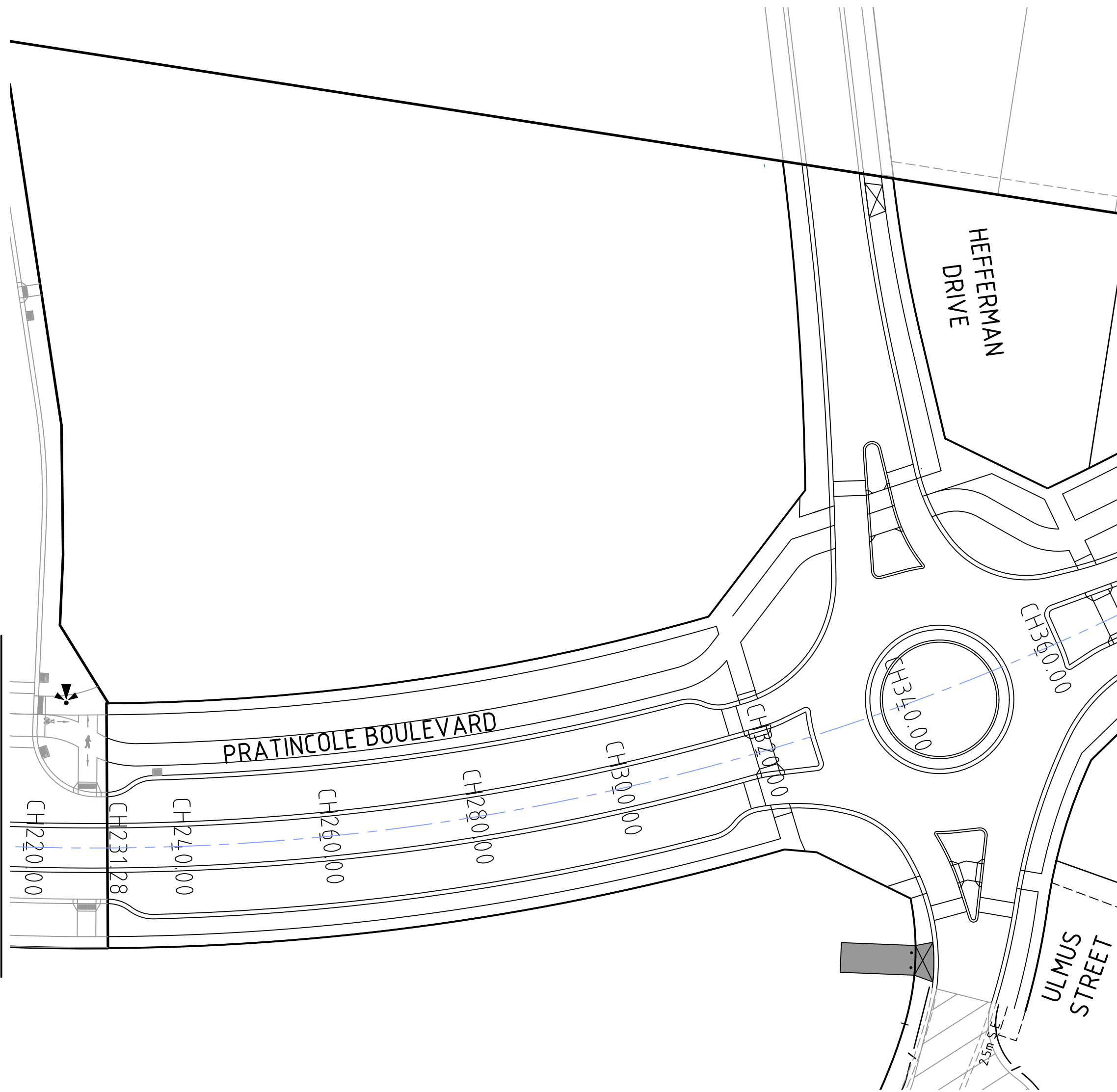


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SEE ABOVE FOR CONTINUATION



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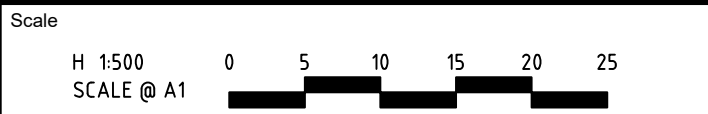
SETOUT DETAIL

ALIGNMENT Z

POINT NO	EASTING	NORTHING	RL
Z1	361465.313	5786791.676	45.184
Z2	361643.334	5786764.037	44.883
1/4	361715.825	5786761.118	44.984
1/2	361787.106	5786774.629	45.323
3/4	361853.501	5786803.872	46.067
Z3	361911.587	5786847.341	46.216
Z4	361920.769	5786855.859	46.154
Z5	361925.063	5786859.745	46.172
Z6	361934.794	5786868.331	46.237
Z7	361948.237	5786879.713	46.325
1/4	361993.738	5786914.477	46.326
1/2	362041.768	5786945.654	46.654
3/4	362092.045	5786973.060	49.079
Z8	362144.273	5786996.534	50.909
Z9	362147.121	5786997.713	50.967
Z10	362165.946	5787007.401	51.369
Z11	362227.499	5787032.882	52.635
1/4	362234.335	5787035.517	52.774
1/2	362241.294	5787037.812	52.914
3/4	362248.356	5787039.761	53.053
Z12	362255.507	5787041.361	53.192
Z13	362257.088	5787041.674	53.223
1/4	362259.988	5787042.391	53.279
1/2	362262.807	5787043.378	53.336
3/4	362265.522	5787044.625	53.393
Z14	362268.107	5787046.122	53.450
Z15	362275.403	5787050.818	53.615
Z16	362370.336	5787090.118	55.414
1/4	362378.523	5787093.236	55.333
1/2	362386.798	5787096.111	55.134
3/4	362395.153	5787098.741	54.819
Z17	362403.583	5787101.124	54.451
Z18	362421.692	5787105.804	53.666
Z19	362427.685	5787107.350	53.406

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
Z2-Z3	319.500	290.827	280.890	32.524	-8.237
Z7-Z8	747.000	229.101	228.204	8.766	2.195
Z11-Z12	148.750	29.311	29.263	0.721	0.180
Z13-Z14	31.750	11.954	11.883	0.561	-0.141
Z16-Z17	297.003	35.042	35.021	0.517	0.129

B	ISSUED TO COUNCIL	B.W	29-05-25	
A	ISSUED TO CLIENT	B.W	07-02-25	
Rev	Amendments	Approved	Date	



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P.COUNSEL

Authorised
B.WAREHAM

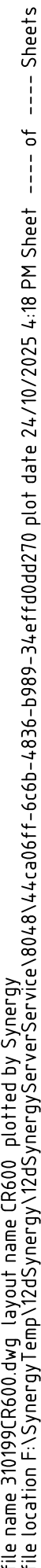
Checked
A.CHARALAMBOUS

Date
FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
ROAD SETOUT PLAN
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No 310199CR506

Rev B



Scale

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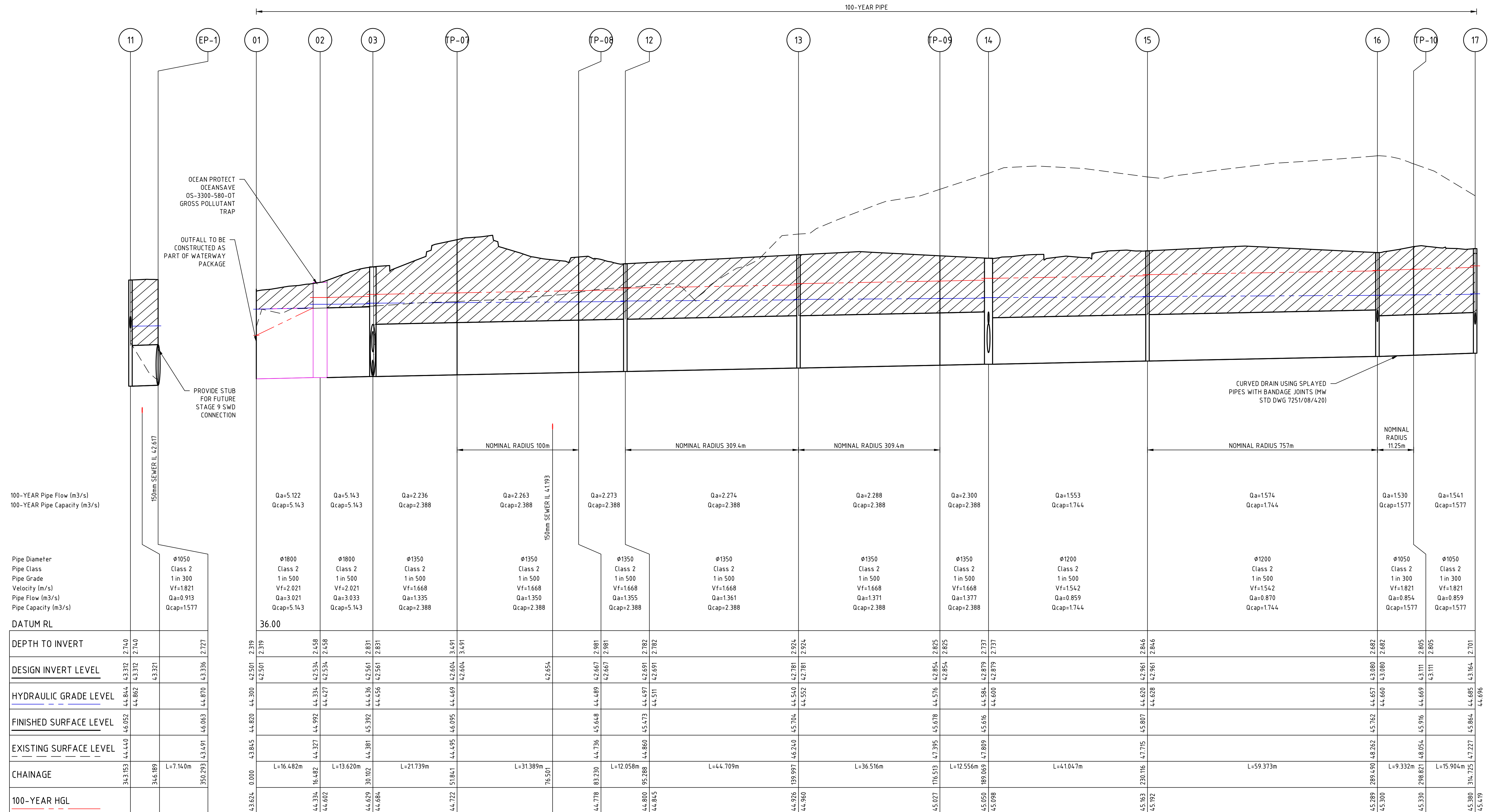
spiire

YourLand
Developments

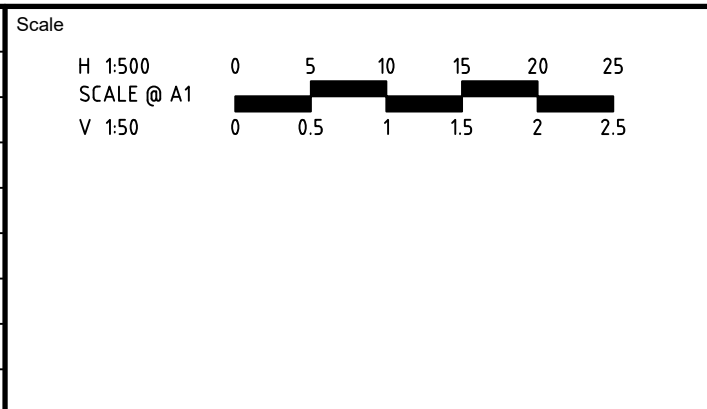
Checked
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Date
FEBRUARY 25

PRELIMINARY Drg No **310199CR600**

B



B	ISSUED TO COUNCIL	B.W	29-05-25
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Authorised B.WAREHAM	Date FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No Rev
310199CR601 **B**



Scale

H 1500
SCALE @ A1
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YourLand
Developments

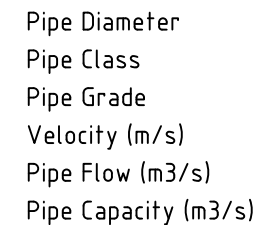
Checked
A.CHARALAMBOUS
Date
FEBRUARY 25

PRELIMINARY Drg No **310199CR602**

Rev



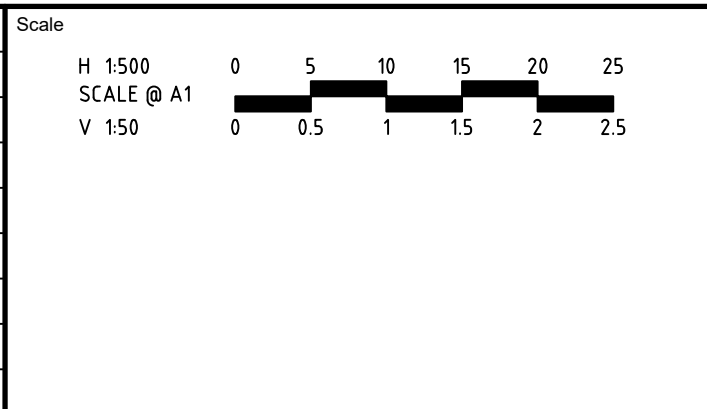
CRUSHED ROCK BACKFILL

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Scale

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V 150

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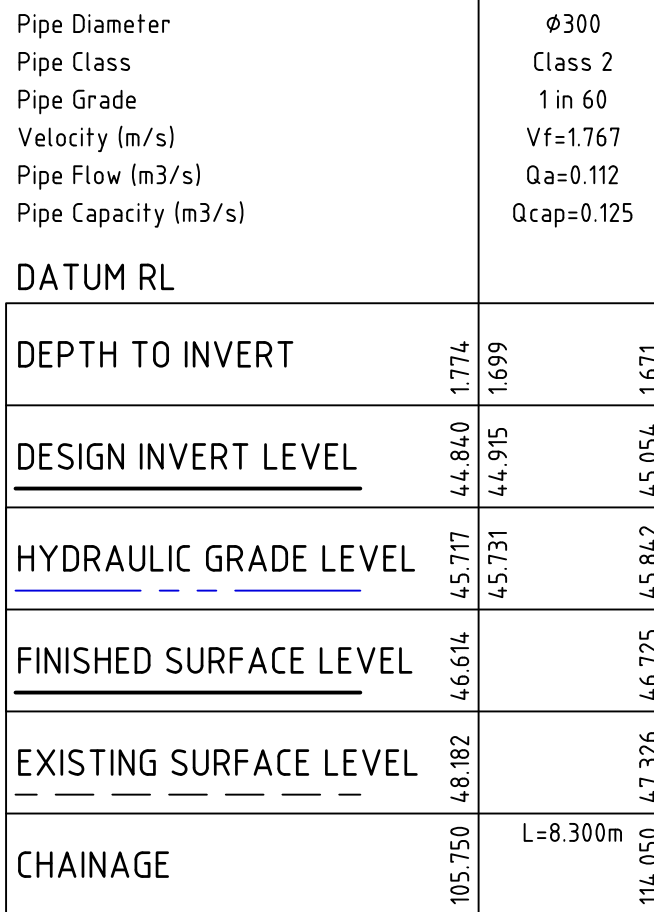
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OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 4
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No 310199CR603 Rev **B**

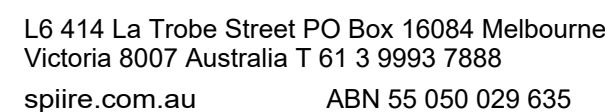


Scale

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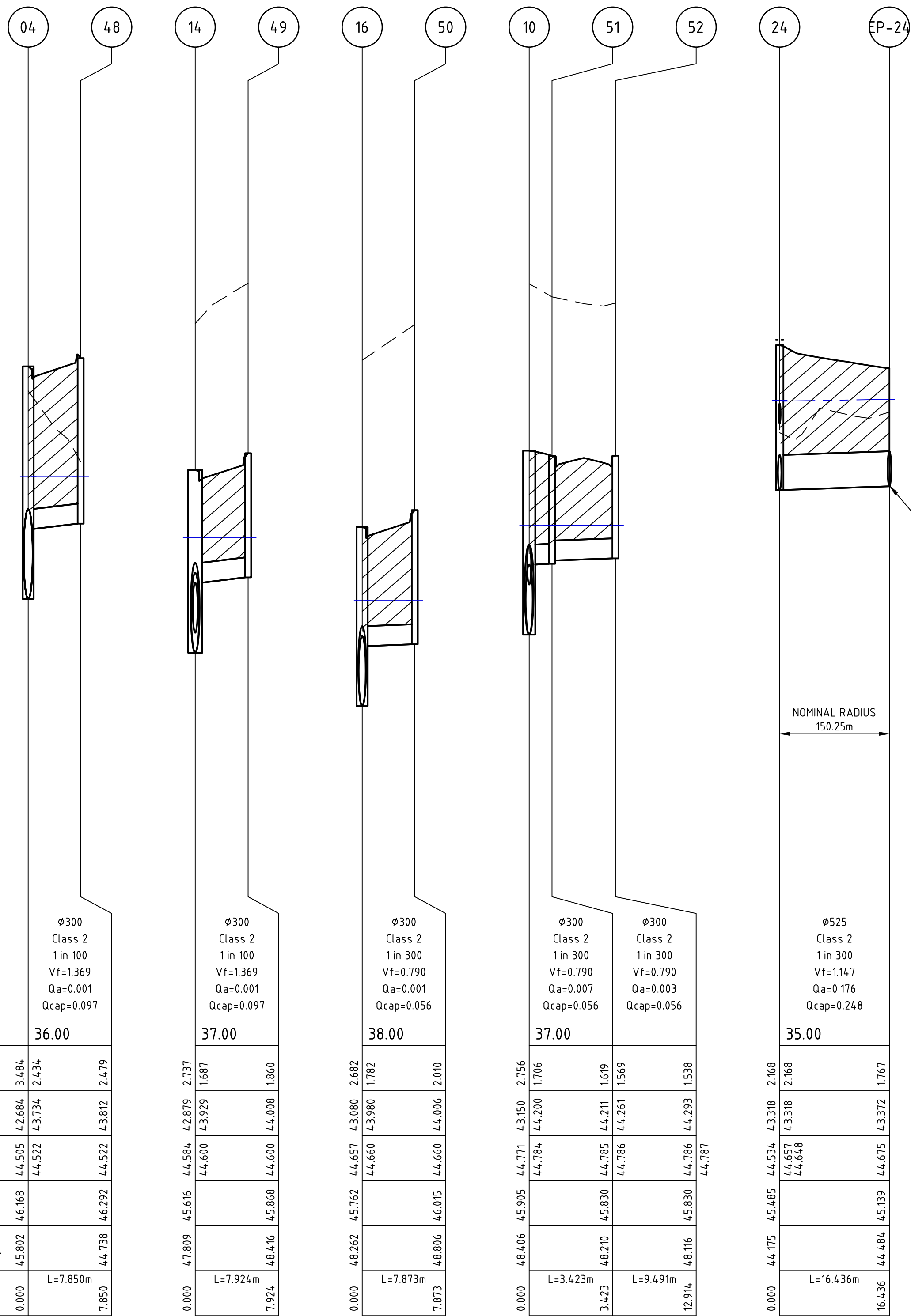
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PRELIMINARY Drg No 310199CR604 Rev B

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Pipe Diameter
Pipe Class
Pipe Grade
Velocity (m/s)
Pipe Flow (m3/s)
Pipe Capacity (m3/s)

ø300
Class 2
1 in 100
Vf=1.369
Qa=0.001
Qcap=0.097

ø300
Class 2
1 in 100
Vf=1.369
Qa=0.001
Qcap=0.097

ø300
Class 2
1 in 300
Vf=0.790
Qa=0.001
Qcap=0.056

ø300
Class 2
1 in 300
Vf=0.790
Qa=0.007
Qcap=0.056

ø300
Class 2
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Vf=0.790
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Qcap=0.056

ø525
Class 2
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Vf=1.147
Qa=0.176
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DESIGN INVERT LEVEL	42.684 43.734
HYDRAULIC GRADE LEVEL	44.505 44.522
FINISHED SURFACE LEVEL	46.168 46.292
EXISTING SURFACE LEVEL	45.802 44.738
CHAINAGE	0.000 L=7.850m 7.850

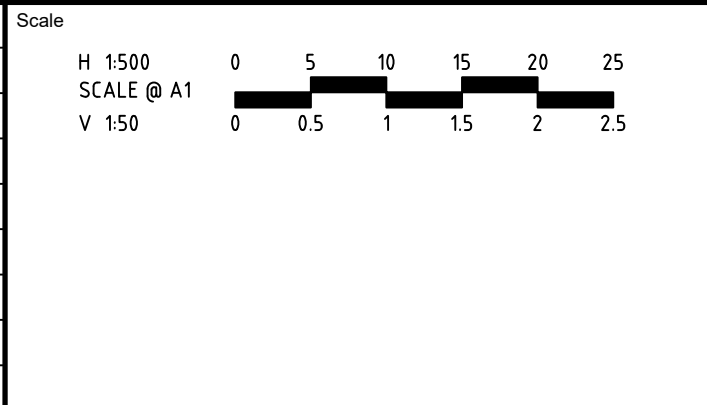
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			44.660	43.980	1.782
					2.010
					7.873
					L=7.873m

0.000	48.406	45.905	44.771	43.150	2.756
			44.784	44.200	1.706
					1.619
					1.569
					1.538
					44.787
					L=3.423m
					L=9.491m
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0.000	44.175	45.485	44.534	43.318	2.168
			44.657	43.318	2.168
			44.648		
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					17.67
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Rev	B	ISSUED TO COUNCIL	B.W	29-05-25
	A	ISSUED TO CLIENT	B.W	07-02-25
		Amendments	Approved	Date



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Designed
C.DUFFY

Checked
A.CHARALAMBOUS

Authorised
B.WAREHAM

Date
FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 6
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY

Drg No
310199CR605

Rev
B

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DRAINAGE PIT SCHEDULE

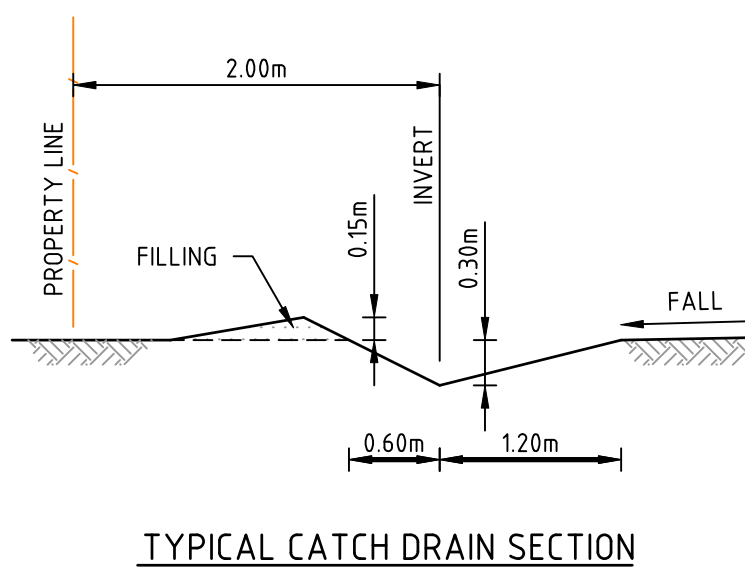
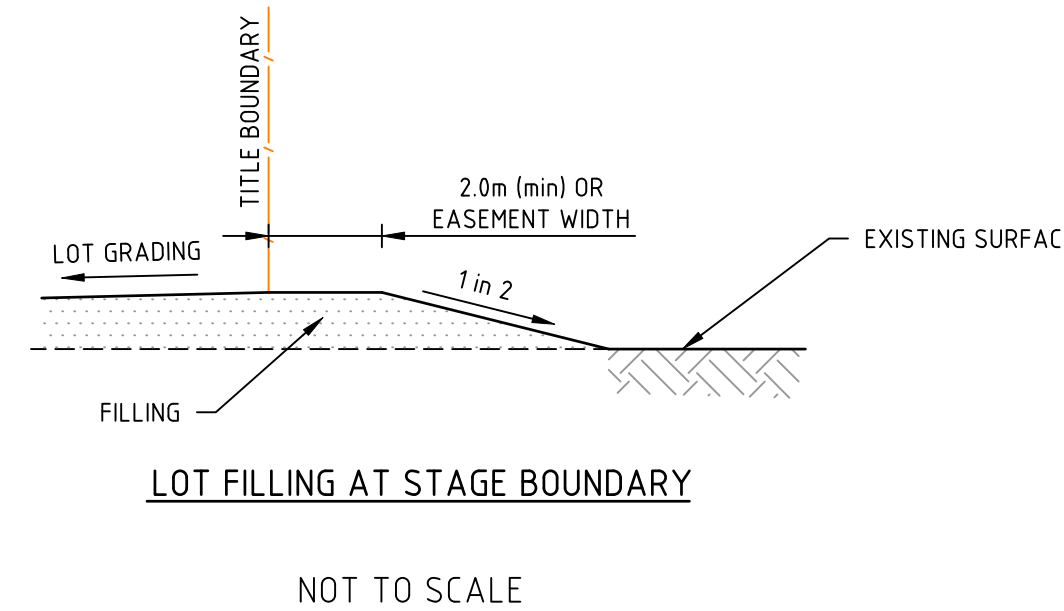
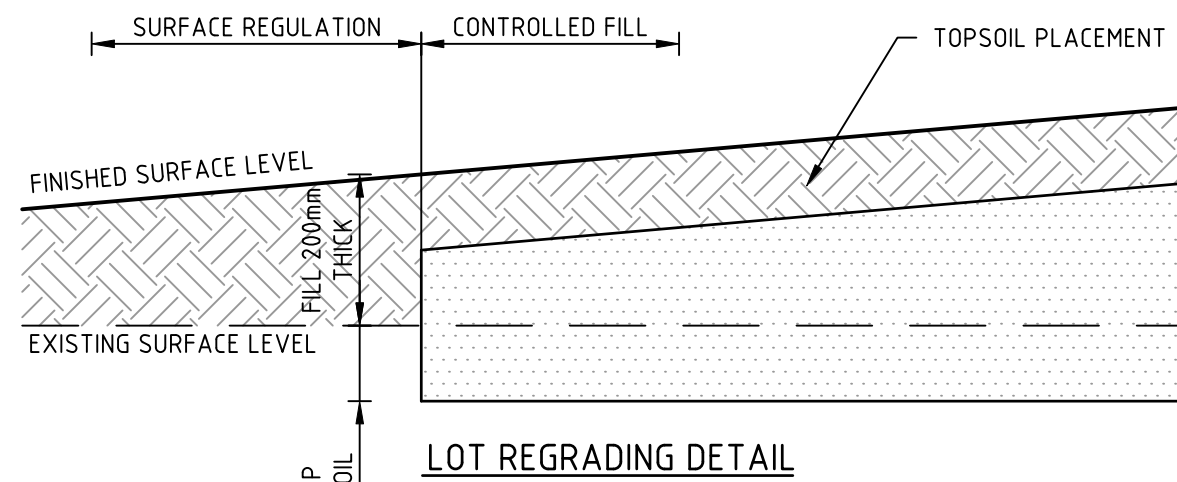
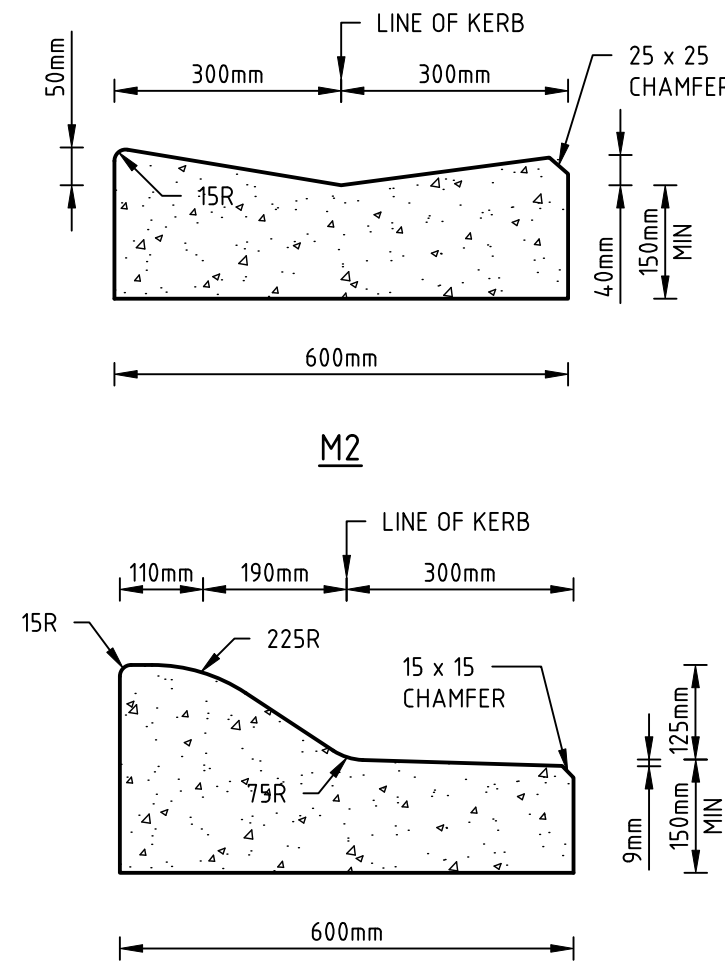
PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
01	ENDPIPE	0	0	1800	42.501	1800	42.501	44.820	2.319	
02	OCEAN PROTECT OCEANSAVE OS-3300-580-OT GROSS POLLUTANT TRAP	3050	4000	1800	42.534	1800	42.534	44.992	2.458	REFER TO OCEAN PROTECT'S GPT SUPPLEMENT "OCEANSAVE OS-3300-580-OT [OP]"
03	JUNCTION PIT	3900	1650	1350	42.561	1800	42.561	45.392	2.831	REFER EDCM 605 AND 607
				1350	42.561					
				375	42.611					
				525	43.198					
TP-07	TANGENT POINT	0	0	1350	42.604	1350	42.604	46.095	3.491	
TP-08	TANGENT POINT	0	0	1350	42.667	1350	42.667	45.648	2.981	
12	DOUBLE GRATED SIDE ENTRY PIT	1950	900	1350	42.691	1350	42.691	45.473	2.782	REFER EDCM 602 AND 607
13	GRATED SIDE ENTRY PIT	1800	900	1350	42.781	1350	42.781	45.704	2.924	REFER EDCM 601 AND 607
TP-09	TANGENT POINT	0	0	1350	42.854	1350	42.854	45.678	2.825	
14	DOUBLE GRATED SIDE ENTRY PIT	2100	2100	1200	42.879	1350	42.879	45.616	2.737	REFER EDCM 602 AND 607. REFER MW SD 7251/08/406
				750	43.179					
				300	43.929					
15	DOUBLE GRATED SIDE ENTRY PIT	1650	900	1200	42.961	1200	42.961	45.807	2.846	REFER EDCM 602 AND 607
16	DOUBLE GRATED SIDE ENTRY PIT	1650	900	1050	43.080	1200	43.080	45.762	2.682	REFER EDCM 602 AND 607
				300	43.980					
TP-10	TANGENT POINT	0	0	1050	43.111	1050	43.111	45.916	2.805	
17	DOUBLE GRATED SIDE ENTRY PIT	1500	900	1050	43.164	1050	43.164	45.864	2.701	REFER EDCM 604 AND 607
				300	43.914					
TP-11	TANGENT POINT	0	0	1050	43.172	1050	43.172	45.877	2.705	
EP-2	ENDPIPE	0	0	1050	43.331	1050	43.331	46.050	2.719	
TP-01	TANGENT POINT	0	0	1350	42.566	1350	42.566	45.419	2.853	
TP-02	TANGENT POINT	0	0	1350	42.602	1350	42.602	46.005	3.403	
04	DOUBLE GRATED SIDE ENTRY PIT	1650	900	1350	42.684	1350	42.684	46.168	3.484	REFER EDCM 602 AND 607
				300	43.734					
05	GRATED SIDE ENTRY PIT	1650	900	1350	42.782	1350	42.782	46.405	3.623	REFER EDCM 601 AND 608
TP-03	TANGENT POINT	0	0	1350	42.857	1350	42.857	46.374	3.517	
06	DOUBLE GRATED SIDE ENTRY PIT	1650	900	1350	42.882	1350	42.882	46.313	3.431	REFER EDCM 602 AND 607
07	JUNCTION PIT	1650	900	1350	42.909	1350	42.909	46.513	3.604	REFER EDCM 606 AND 608
				375	43.884					
08	DOUBLE GRATED SIDE ENTRY PIT	1650	900	1350	42.962	1350	42.962	46.503	3.541	REFER EDCM 602 AND 607
09	DOUBLE GRATED SIDE ENTRY PIT	1650	900	1350	43.079	1350	43.079	46.454	3.376	REFER EDCM 602 AND 607
TP-04	TANGENT POINT	0	0	1350	43.139	1350	43.139	45.820	2.681	
10	JUNCTION PIT	1800	1350	1050	43.150	1350	43.150	45.905	2.756	REFER EDCM 605 AND 607
				600	43.900					
				300	44.200					
TP-05	TANGENT POINT	0	0	1050	43.190	1050	43.190	45.961	2.771	
TP-06	TANGENT POINT	0	0	1050	43.238	1050	43.238	45.947	2.709	
11	GRATED SIDE ENTRY PIT	1350	900	1050	43.312	1050	43.312	46.052	2.740	REFER EDCM 603 AND 607
				300	44.812					
EP-1	ENDPIPE	0	0	1050	43.336	1050	43.336	46.063	2.727	
TP-12	TANGENT POINT	0	0	375	42.666	375	42.616	45.382	2.766	
TP-13	TANGENT POINT	0	0	375	42.685	375	42.685	45.319	2.634	
18	GRATED SIDE ENTRY PIT	600	900	375	42.776	375	42.726	45.099	2.373	REFER EDCM 601
19	JUNCTION PIT	600	900	375	42.852	375	42.802	45.315	2.513	REFER EDCM 605
20	GRATED SIDE ENTRY PIT	600	900	300	42.969	375	42.894	45.101	2.207	REFER EDCM 601
21	JUNCTION PIT	600	900	300	43.040	300	43.040	45.498	2.458	REFER EDCM 605
22	GRATED SIDE ENTRY PIT	600	900	300	43.262	300	43.212	45.075	1.863	REFER EDCM 601
23	GRATED SIDE ENTRY PIT	600	900	300	43.296	300	43.296	45.091	1.795	REFER EDCM 603
24	GRATED SIDE ENTRY PIT	900	750	300	44.313	525	43.318	45.485	2.168	REFER EDCM 603 AND 607
				525	43.318					
25	GRATED JUNCTION PIT	600	900	225	44.447	300	44.372	45.786	1.415	REFER EDCM 605 W/ GRATED LID
26	GRATED JUNCTION PIT	600	900	225	47.168	225	45.968	48.315	2.348	REFER EDCM 605 W/ GRATED LID
27	GRATED JUNCTION PIT	600	900	225	50.938	225	50.438	52.120	1.682	REFER EDCM 605 W/ GRATED LID
28	GRATED JUNCTION PIT	600	900	225	54.071	225	54.071	55.074	1.003	REFER EDCM 605 W/ GRATED LID
29	GRATED SIDE ENTRY PIT	1200	900	750	43.267	750	43.267	45.733	2.466	REFER EDCM 603 AND 607
				300	43.717					
TP-30	TANGENT POINT	0	0	750	43.317	750	43.317	45.844	2.527	
31	GRATED SIDE ENTRY PIT	1050	1350	675	43.433	750	43.358	45.922	2.565	REFER EDCM 603 AND 607
				375	43.733					
32	GRATED SIDE ENTRY PIT	1200	900	675	43.474	675	43.474	45.966	2.492	REFER EDCM 603 AND 607
33	GRATED SIDE ENTRY PIT	900	900	675	43.644	675	43.644	46.220	2.577	REFER EDCM 603 AND 607
34	GRATED SIDE ENTRY PIT	900	900	675	43.810	675	43.810	46.638	2.828	REFER EDCM 603 AND 607
EP-3	ENDPIPE	0	0	675	43.828	675	43.828	46.719	2.891	
35	GRATED SIDE ENTRY PIT	600	900	300	43.855	300	43.805	45.734	1.929	REFER EDCM 603
36	GRATED SIDE ENTRY PIT	600	900	300	43.963	300	43.963	45.708	1.745	REFER EDCM 603
37	GRATED SIDE ENTRY PIT	600	900	375	44.443	375	44.393	46.252	1.859	REFER EDCM 603
38	GRATED SIDE ENTRY PIT	600	900	300	44.915	375	44.840	46.614	1.774	REFER EDCM 603
EP-4	ENDPIPE	0	0	300	45.054	300	45.054	46.725	1.671	
39	GRATED JUNCTION PIT	600	900	300	46.287	375	44.187	47.115	2.928	REFER EDCM 605 W/ GRATED LID
39A	GRATED JUNCTION PIT	600	900	300	50.075	300	48.575	50.797	2.222	REFER EDCM 605 W/ GRATED LID
40	GRATED JUNCTION PIT	600	900	300	52.339	300	51.531	53.612	2.081	REFER EDCM 605 W/ GRATED LID
41	GRATED JUNCTION PIT	600	900	375	52.544	300	52.494	53.931	1.437	REFER EDCM 605 W/ GRATED LID
42	GRATED JUNCTION PIT	600	900	375	54.669	375	54.669	56.228	1.559	REFER EDCM 605 W/ GRATED LID
EP-5	ENDPIPE	0	0	375	54.684	375	54.684	56.234	1.550	

43	DOUBLE GRATED SIDE ENTRY PIT	900	900	600	44.063	600	44.013	45.936	1.923	REFER EDCM 602 AND 607
44	GRATED SIDE ENTRY PIT	900	900	600	44.265	600	44.265	46.629	2.364	REFER EDCM 601 AND 607
EP-6	ENDPIPE	0	0	600	44.338	600	44.338	46.679	2.341	
EP-7	ENDPIPE	0	0	300	44.998	300	44.998	46.418	1.421	
Ex-EP-8	ENDPIPE	0	0	300	42.994			44.592	1.598	
45	GRATED SIDE ENTRY PIT	600	900	300	43.113	300	43.063	44.544	1.481	REFER EDCM 601
46	JUNCTION PIT	600	900			300	43.192	44.770	1.578	REFER EDCM 605
47	DOUBLE GRATED SIDE ENTRY PIT	600	900			300	44.005	45.857	1.852	REFER EDCM 604
48	JUNCTION PIT	600	900			300	43.812	46.292	2.479	REFER EDCM 605
49	JUNCTION PIT	600	900			300	44.008	45.868	1.860	REFER EDCM 605
50	JUNCTION PIT	600	900			300	44.006	46.015	2.010	REFER EDCM 605
51	GRATED SIDE ENTRY PIT	600	900	300	44.261	300	44.211	45.830	1.619	REFER EDCM 603
52	GRATED SIDE ENTRY PIT	600	900			300	44.293	45.830	1.538	REFER EDCM 603
EP-24	ENDPIPE	0	0	525	43.372	525	43.372	45.139	1.767	

DRAINAGE PIT SCHEDULE

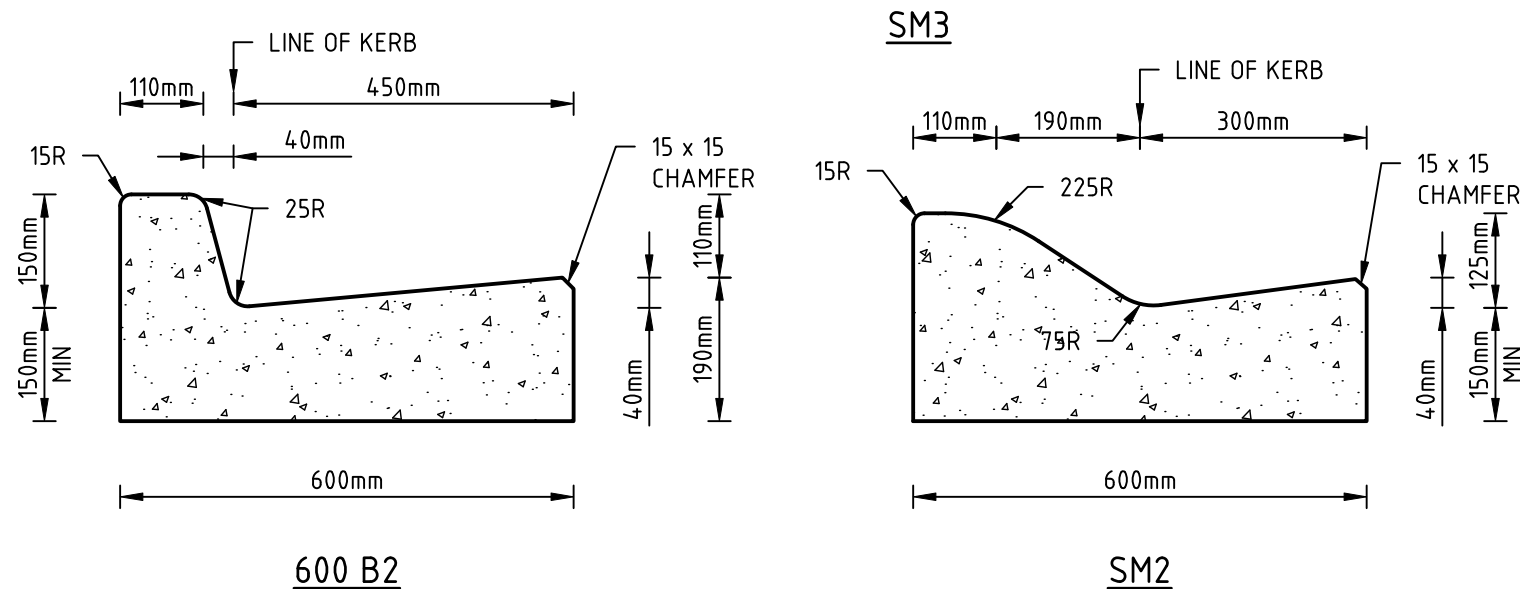
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03	B	361794.812	5786760.151
TP-07	D	361807.408	5786777.869
TP-08	D	361829.280	5786800.203
12	A	361839.012	5786807.323
13	A	361876.714	5786831.282
TP-09	D	361904.688	5786854.718
14	A	361913.892	5786863.260
15	A	361944.956	5786890.090
16	A	361992.347	5786925.831
TP-10	D	361996.280	5786934.000
17	A	361996.913	5786949.892
TP-11	D	361997.166	5786952.391
EP-2	C	362004.537	5786999.444
TP-01	D	361796.614	5786762.243
TP-02	D	361810.737	5786772.715
04	A	361848.275	5786789.369
05	A	361889.461	5786815.588
TP-03	D	361918.486	5786839.965
06	A	361927.451	5786848.280
07	B	361937.865	5786857.298
08	A	361957.766	5786874.472
09	A	362004.388	5786909.599
TP-04	D	362014.345	5786936.828
10	B	362013.530	5786941.996
TP-05	D	362009.672	5786953.461
TP-06	D	362008.467	5786967.671
11	A	362011.893	5786989.544
EP-1	C	362013.013	5786996.596
TP-12	D	361793.469	5786761.044
TP-13	D	361788.112	5786762.330
18	A	361775.801	5786760.894
19	B	361773.704	5786768.455
20	A	361770.402	5786780.363
21	B	361788.687	5786791.702
22	A	361789.929	5786828.108
23	A	361799.928	5786830.373
24	A	361817.630	5786753.213
25	B	361822.663	5786756.249
26	B	361844.076	5786748.389
27	B	361878.281	5786767.637
28	B	361930.154	5786796.828
29	A	361917.381	5786889.527
TP-30	D	361916.768	5786904.383
31	A	361918.670	5786916.525
32	A	361928.726	5786923.857
33	A	361936.596	5786974.100
34	A	361944.296	5787023.252
EP-3	C	361945.169	5787028.827
35	A	361925.910	5786891.727
36	A	361931.120	5786882.302
37	A	361928.892	5786981.780
38	A	361935.036	5787021.001
EP-4	C	361936.320	5787029.201
39	B	361943.625	5786855.467
39A	B	361949.564	5786840.593
40	B	361955.504	5786825.718
41	B	361957.814	5786

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)	
		TYPE A*	TYPE B*
WEARING COURSE ASPHALT	SIZE 14mm TYPE N	40	
WEARING COURSE ASPHALT	SIZE 10mm TYPE N CLASS 170 BINDER		30
BASE COURSE ASPHALT	SIZE 14mm TYPE N CLASS 320 BINDER	40	
BASE COURSE ASPHALT	SIZE 10mm TYPE N CLASS 170 BINDER		30
BITUMINOUS PRIME		Y	Y
BASE	20mm CLASS 2 CRUSHED ROCK CRUSHED CONCRETE	120	140
UPPER SUBBASE	20mm CLASS 3 CRUSHED ROCK OR CRUSHED CONCRETE	260	190
LOWER SUBBASE	20mm CLASS 4 CRUSHED ROCK OR CRUSHED CONCRETE	150	150
TOTAL PAVEMENT DEPTH		610	540

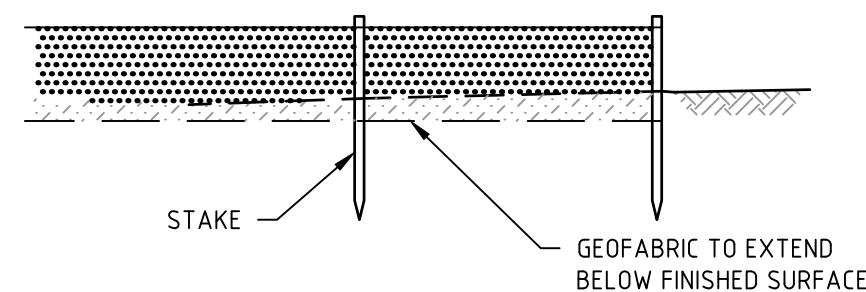
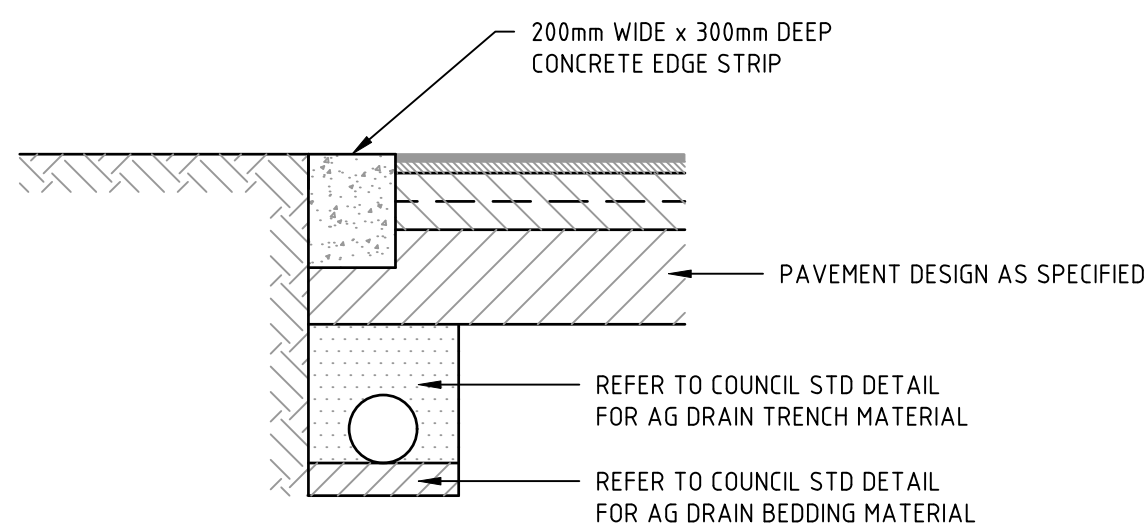


* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES	
ROAD NAME	TYPE
PRATINCOLE BOULEVARD	A
HEFFERMAN DRIVE	B
ULMUS STREET	B
SYLVAN STREET	B
THICKET STREET	B

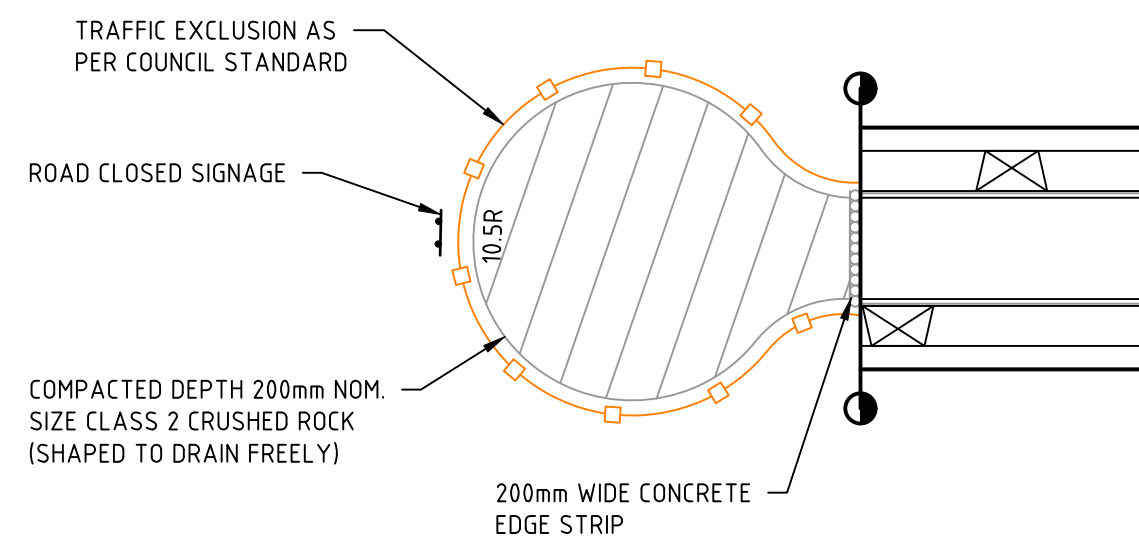
1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE, OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
3. CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
4. PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
5. CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
6. SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
7. ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA - "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
8. ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.



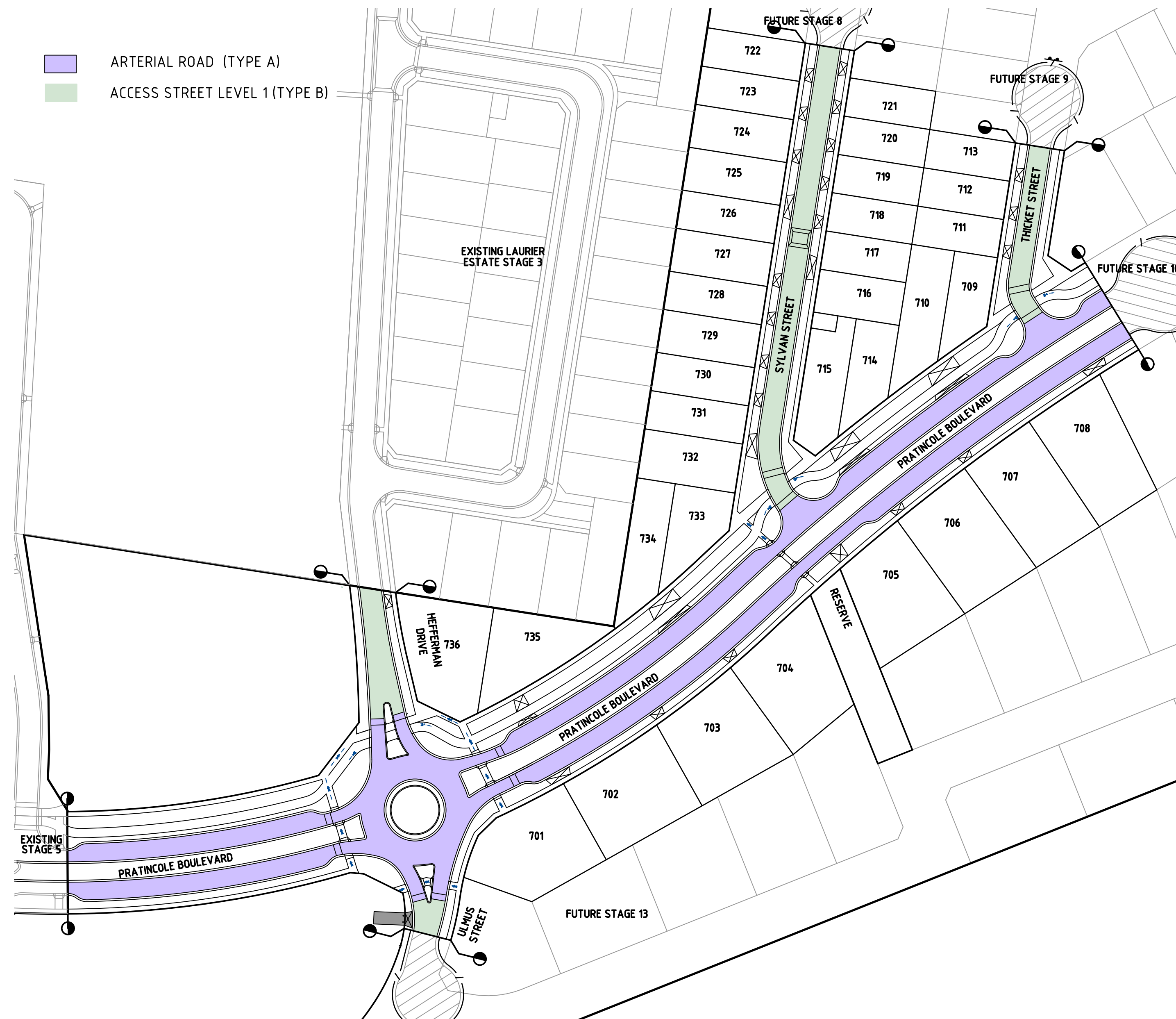
NOTE: ALL KERB & CHANNEL AS PER EDCM STD DRAWING EDCM 301



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SCALE @ A1

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THE DESIGN HAS BEEN EXTRACTED FROM THE 204.929.00.R.002.Rev2 REPORT ON "GEOTECHNICAL INVESTIGATION FOR ORCHARD SITE, 373-405 BROWN ROAD, OFFICER" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST

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C	RE-ISSUED TO COUNCIL	B.W	05-09-25
B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25
Rev	Amendments	Approved	Date

Scale AS SHOWN

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The Spiire logo, featuring the word "spiire" in a lowercase, sans-serif font. The two dots above the "i" are red, while the rest of the text is dark grey.

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Victoria 8007 Australia T 61 3 9993 7888
spiire.com.au ABN 55 050 029 635

Designed
P.COUNSEL
Authorised
B.WAREHAM

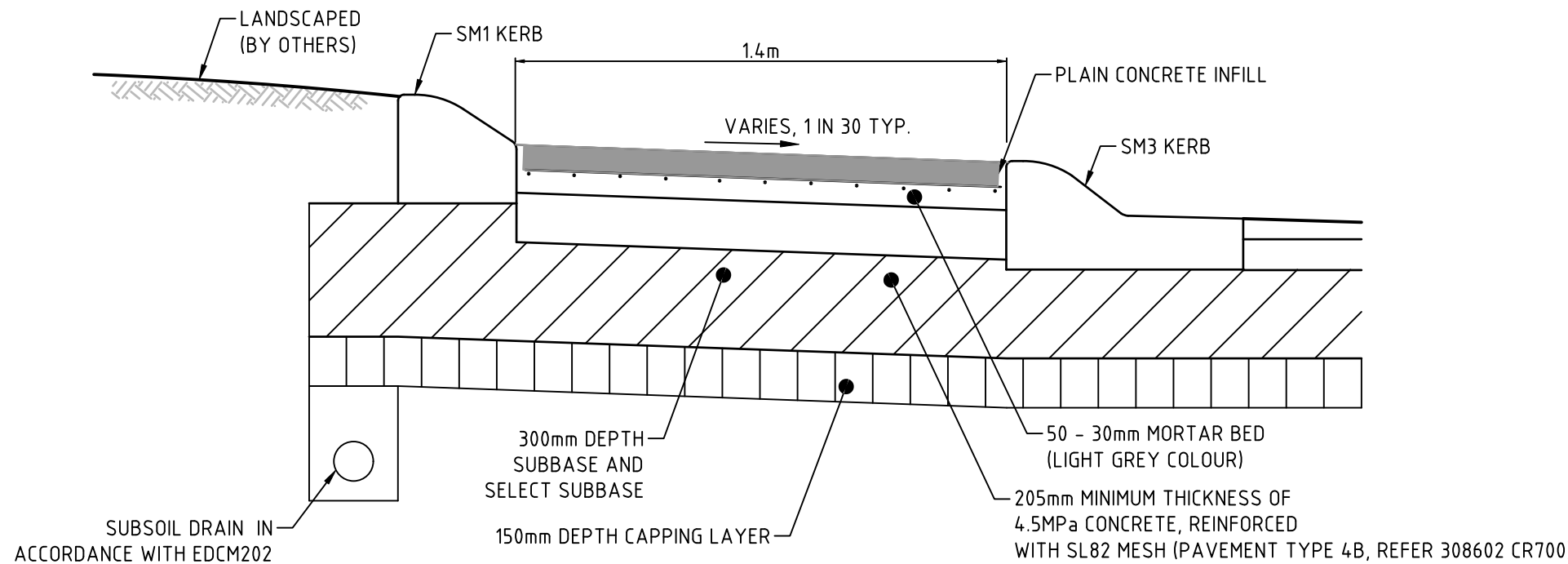
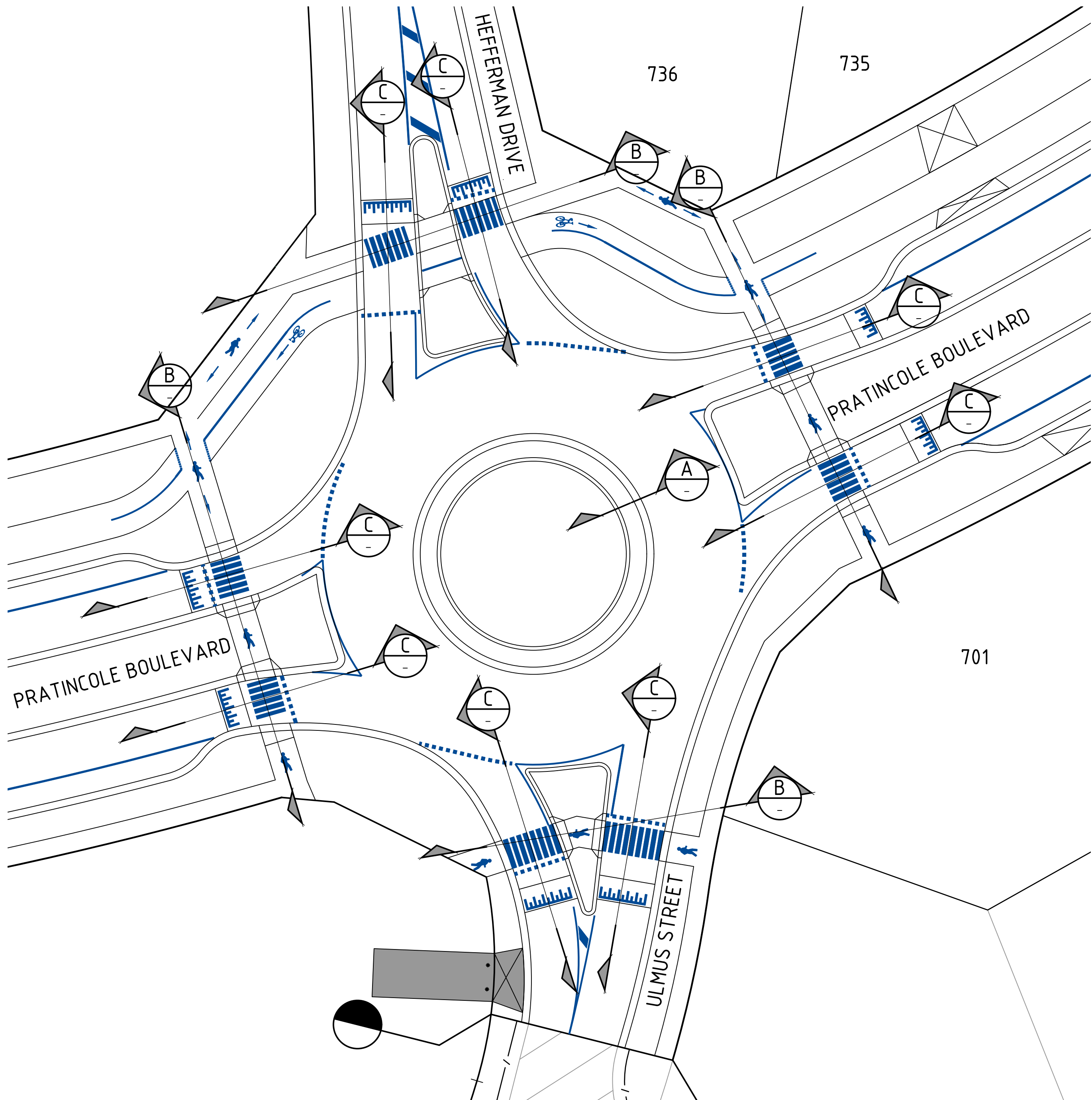
Checked
A.CHARALAMBOUS
Date
FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 1
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

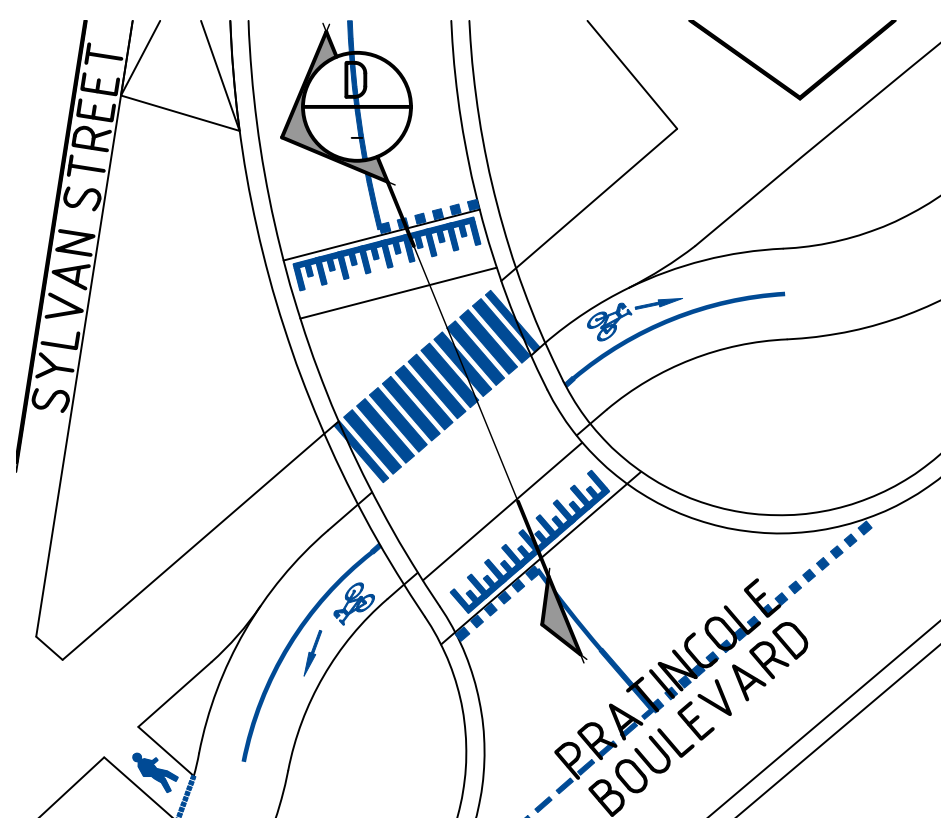
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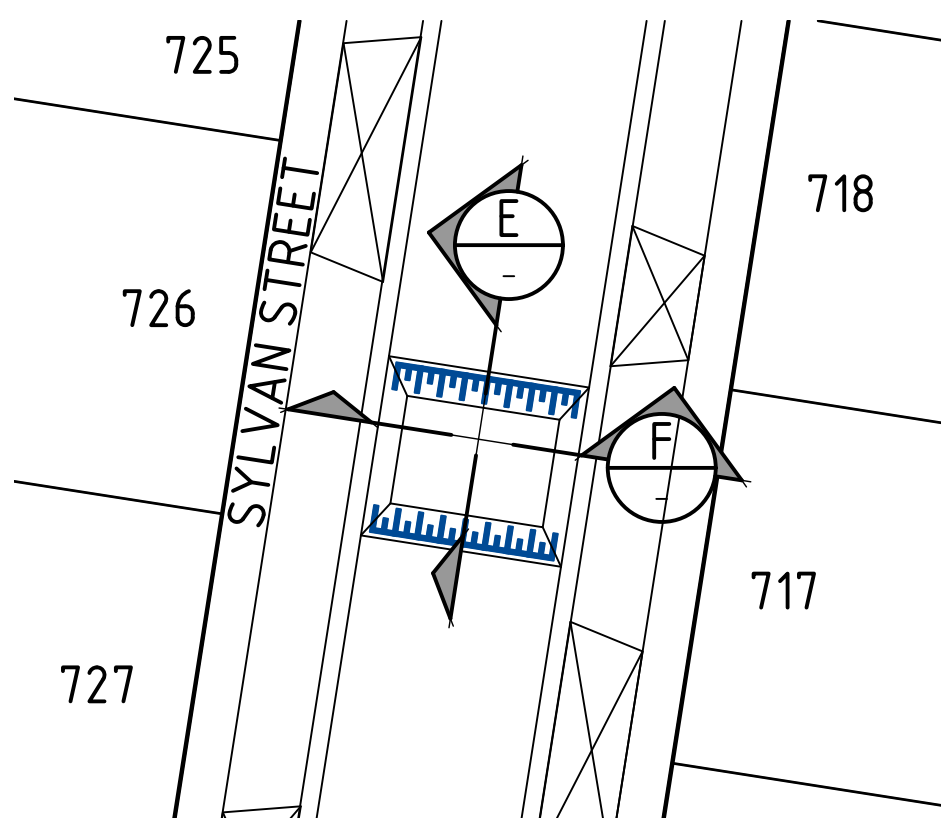
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SECTION A
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TYPICAL SECTION - ROUNDABOUT ANNULUS
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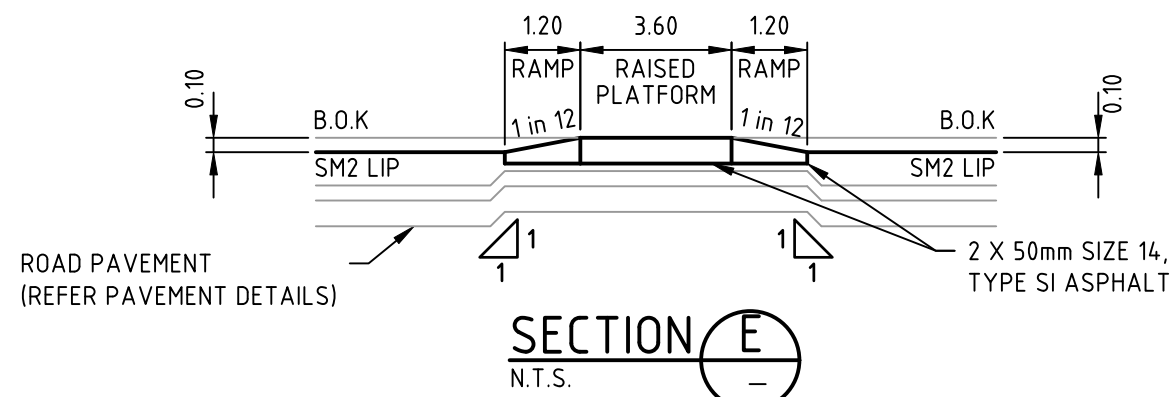


RAISED ASPHALT CROSSING
TYPICAL DETAIL
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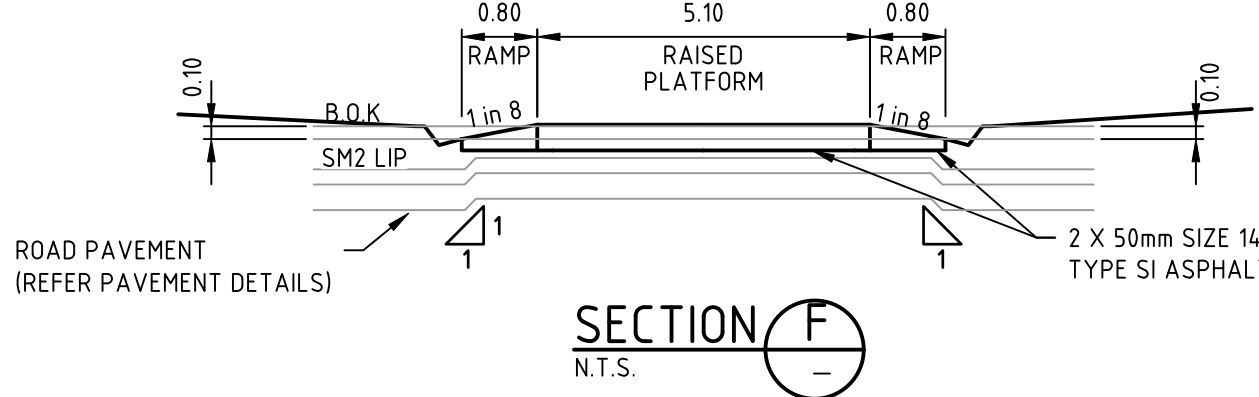


SPEED HUMP
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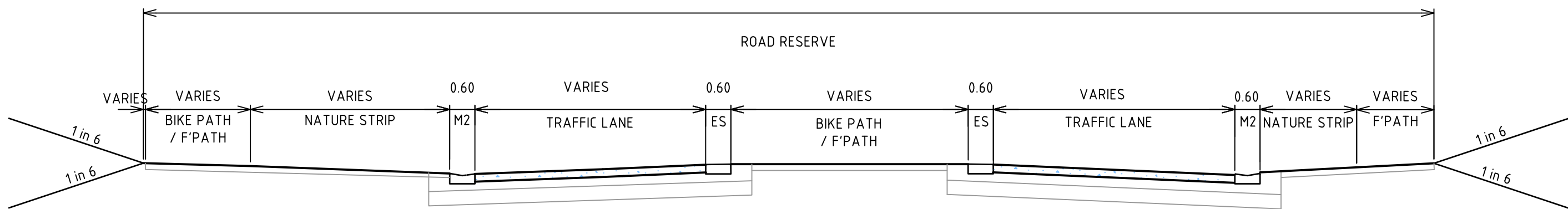
RAISED ASPHALT CROSSING
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SECTION E
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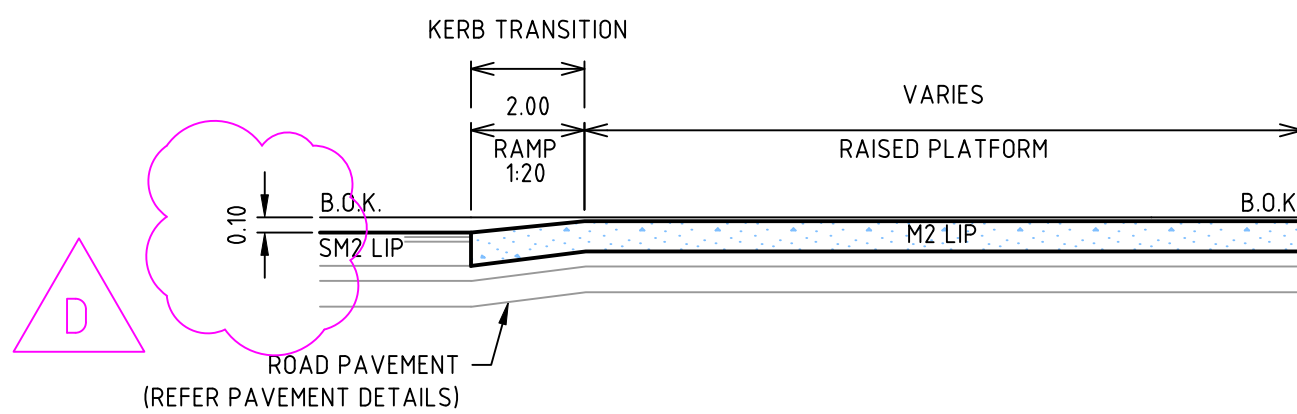


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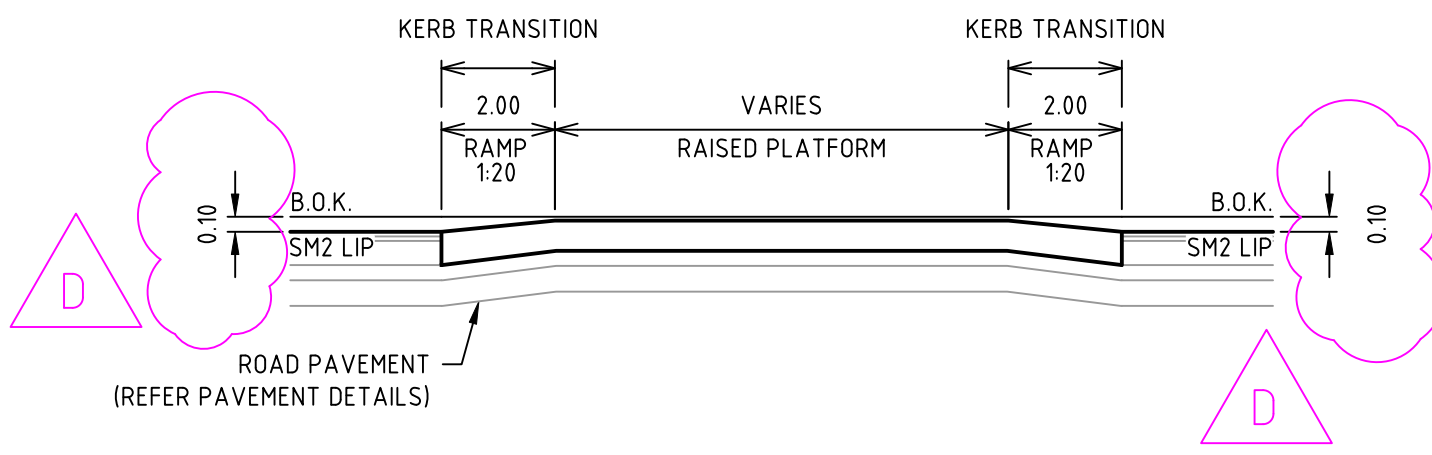


SECTION B
N.T.S.

TYPICAL SECTIONS - RAISED PEDESTRIAN CROSSING
NOT TO SCALE



SECTION C
N.T.S.



SECTION D
N.T.S.

Rev	Amendments	Approved	Date
D	RE-ISSUED TO COUNCIL	B.W	24-10-25
C	RE-ISSUED TO COUNCIL	B.W	05-09-25
B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25

Scale	AS SHOWN
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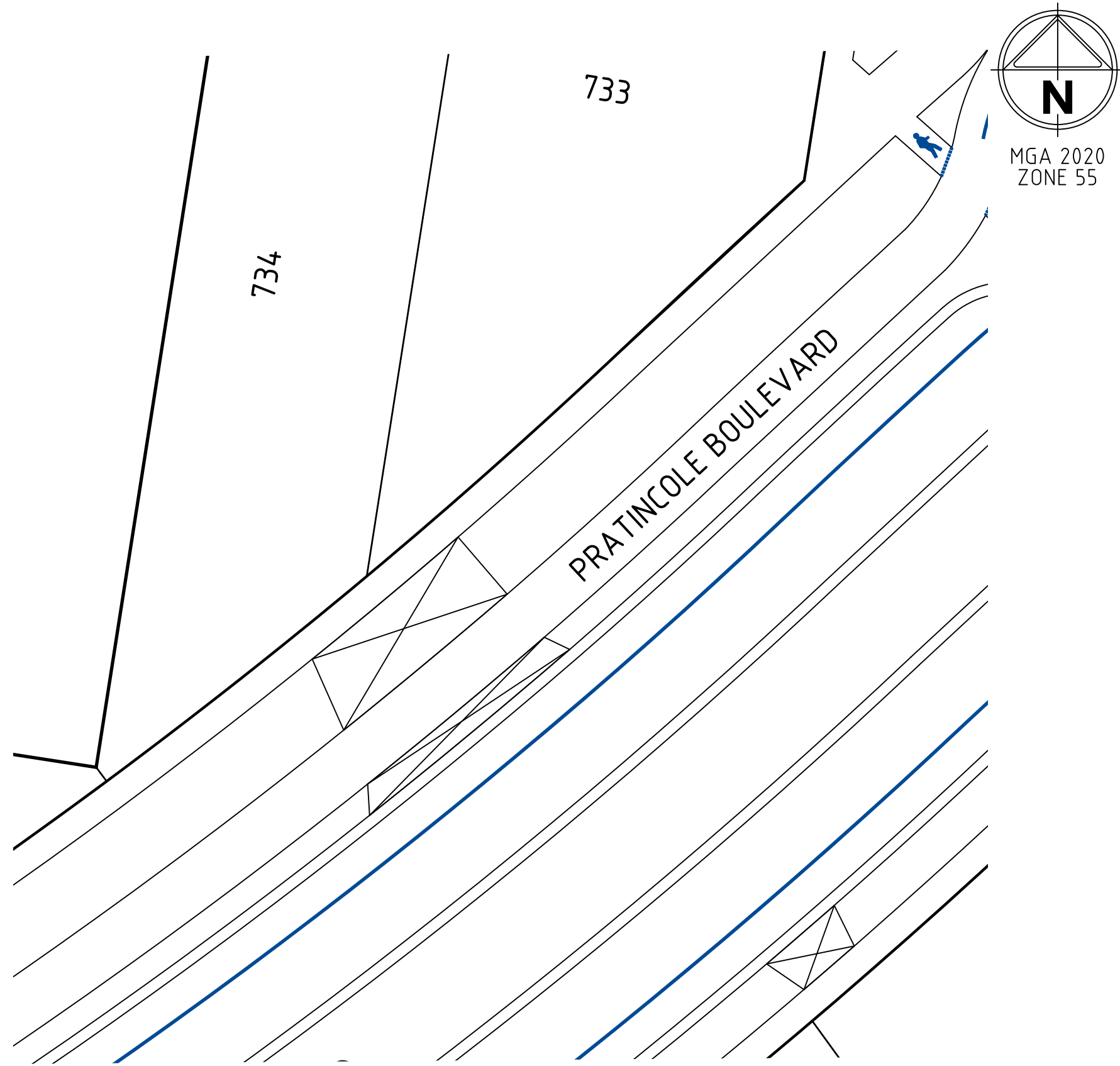
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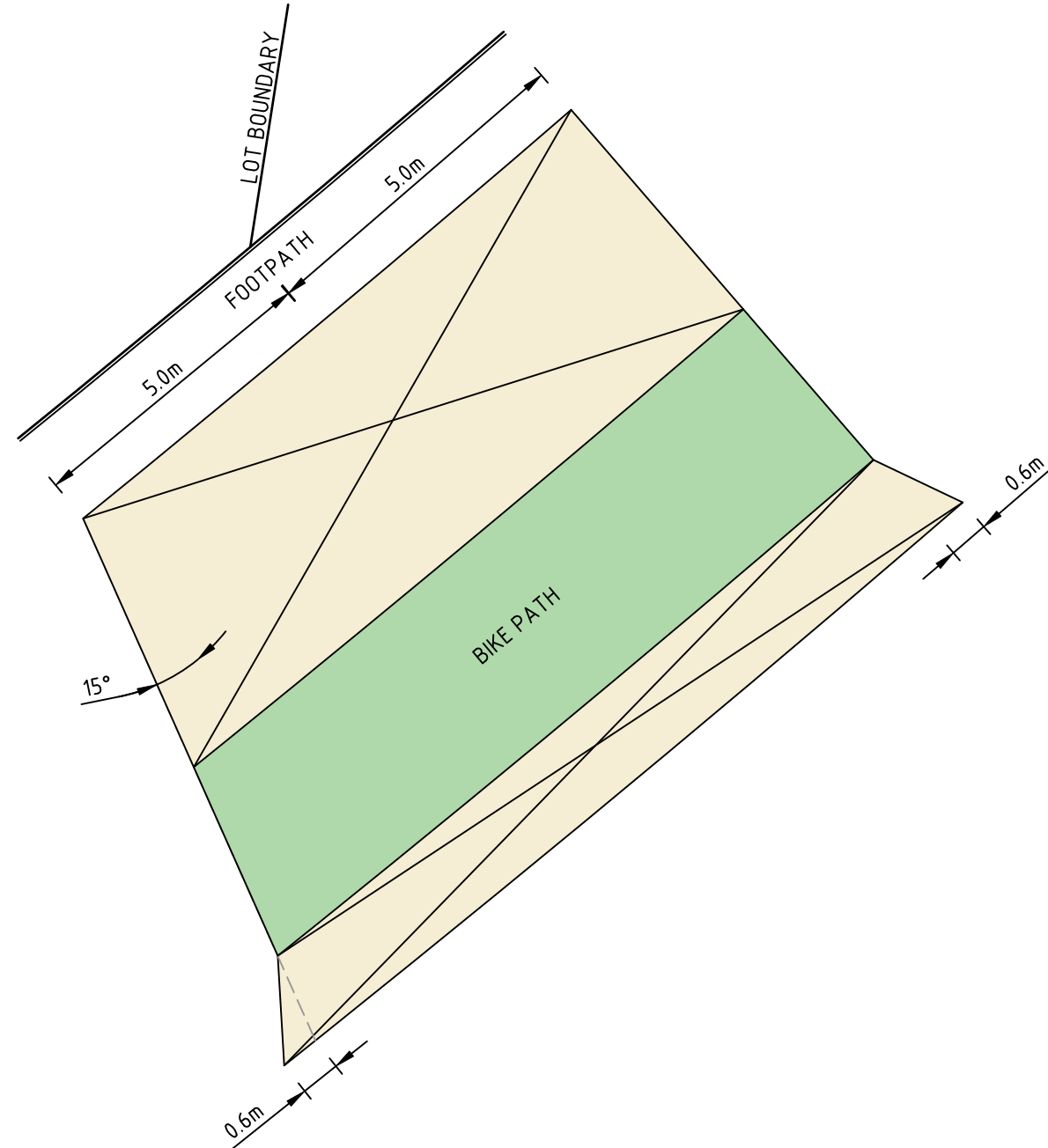
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Authorised
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A.CHARALAMBOUS
Date
FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 2
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD
PRELIMINARY Drg No 310199CR701 Rev D

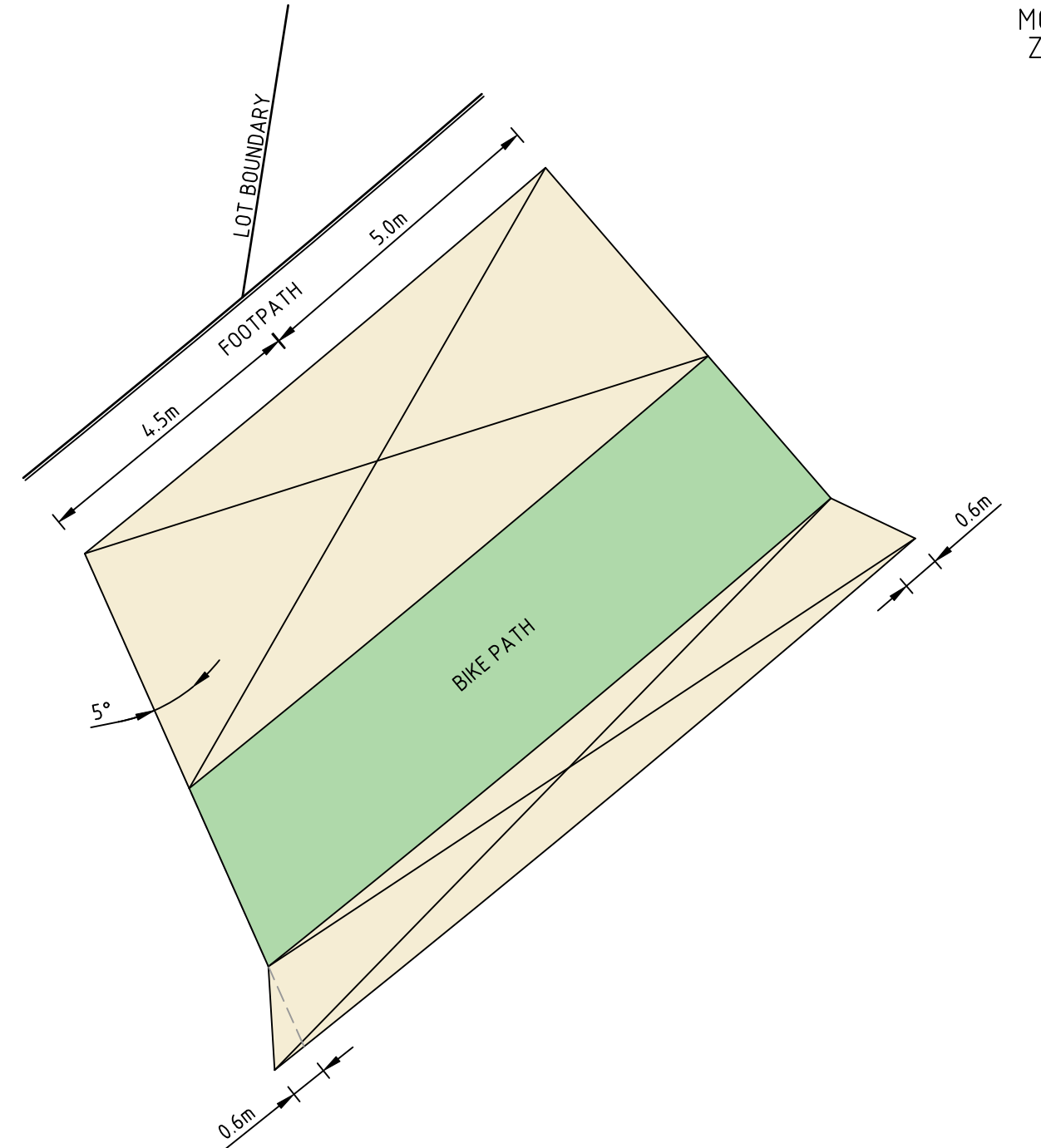
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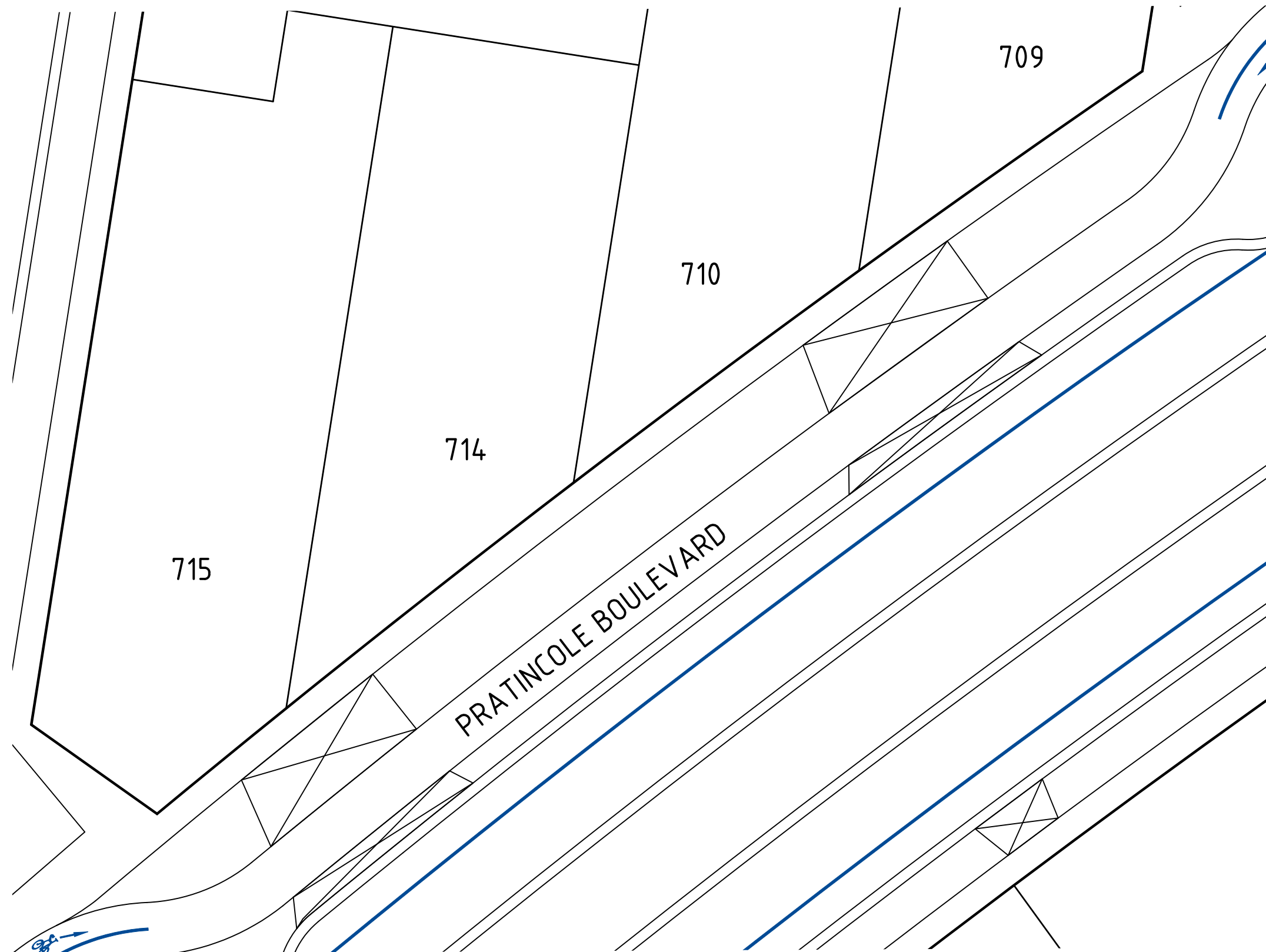
LOT 734 & 733
H 1:250
SCALE @ A1



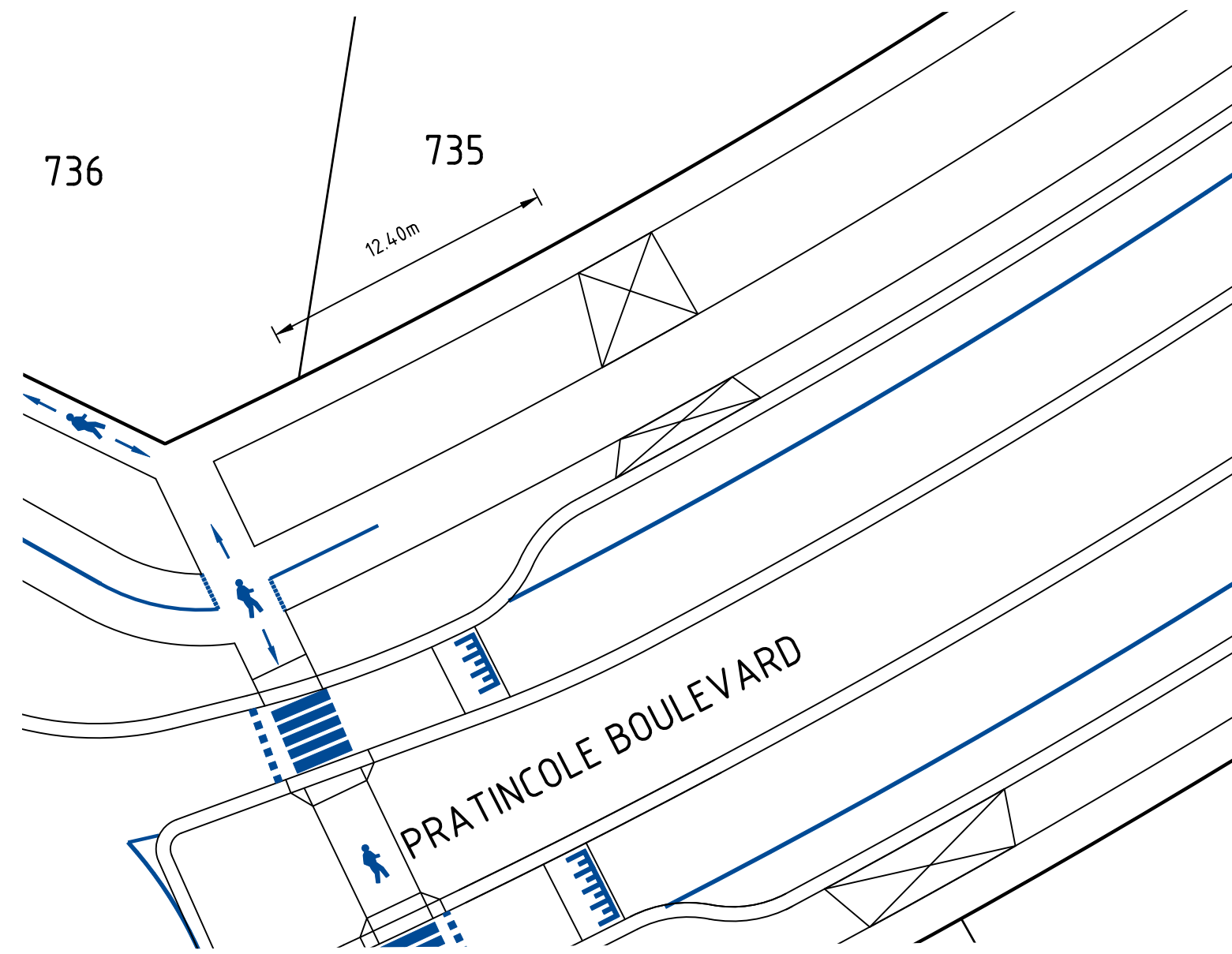
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NOT TO SCALE



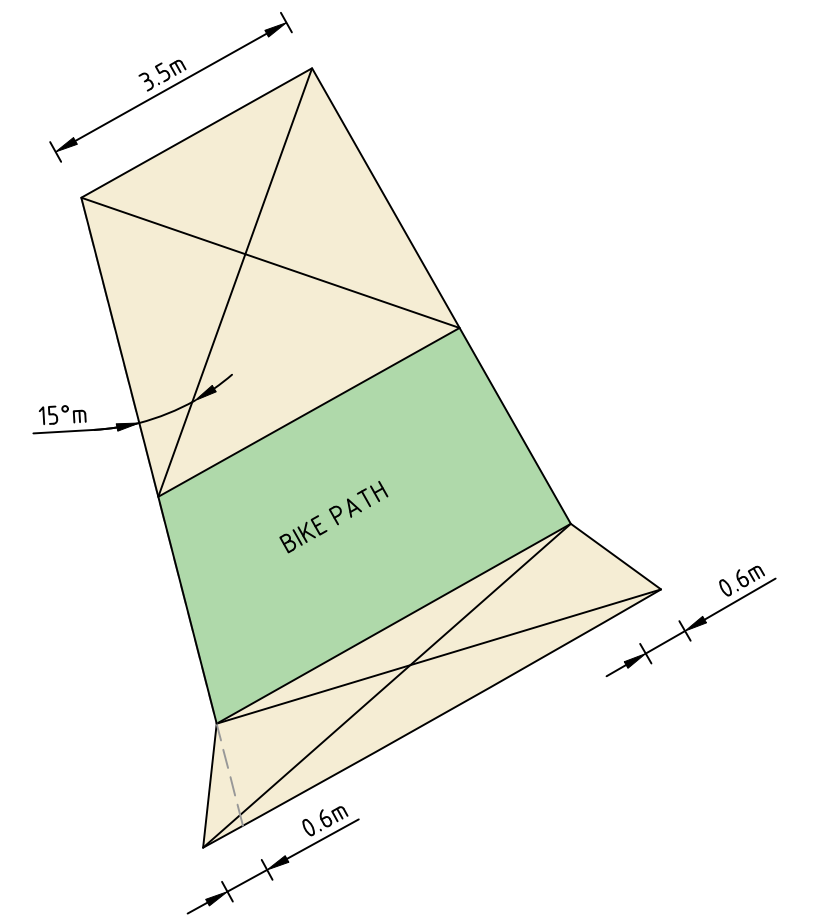
LOT 714 & 715 CROSSOVER DETAIL
NOT TO SCALE



LOTS 709 & 710, 714 & 715
H 1:250
SCALE @ A1



LOT 735
H 1:250
SCALE @ A1



LOT 735 CROSSOVER DETAIL
NOT TO SCALE

Rev	Amendments	Approved	Date
A	ISSUED TO CLIENT	B.W	07-02-25
B	ISSUED TO COUNCIL	B.W	29-05-25

Scale	AS SHOWN
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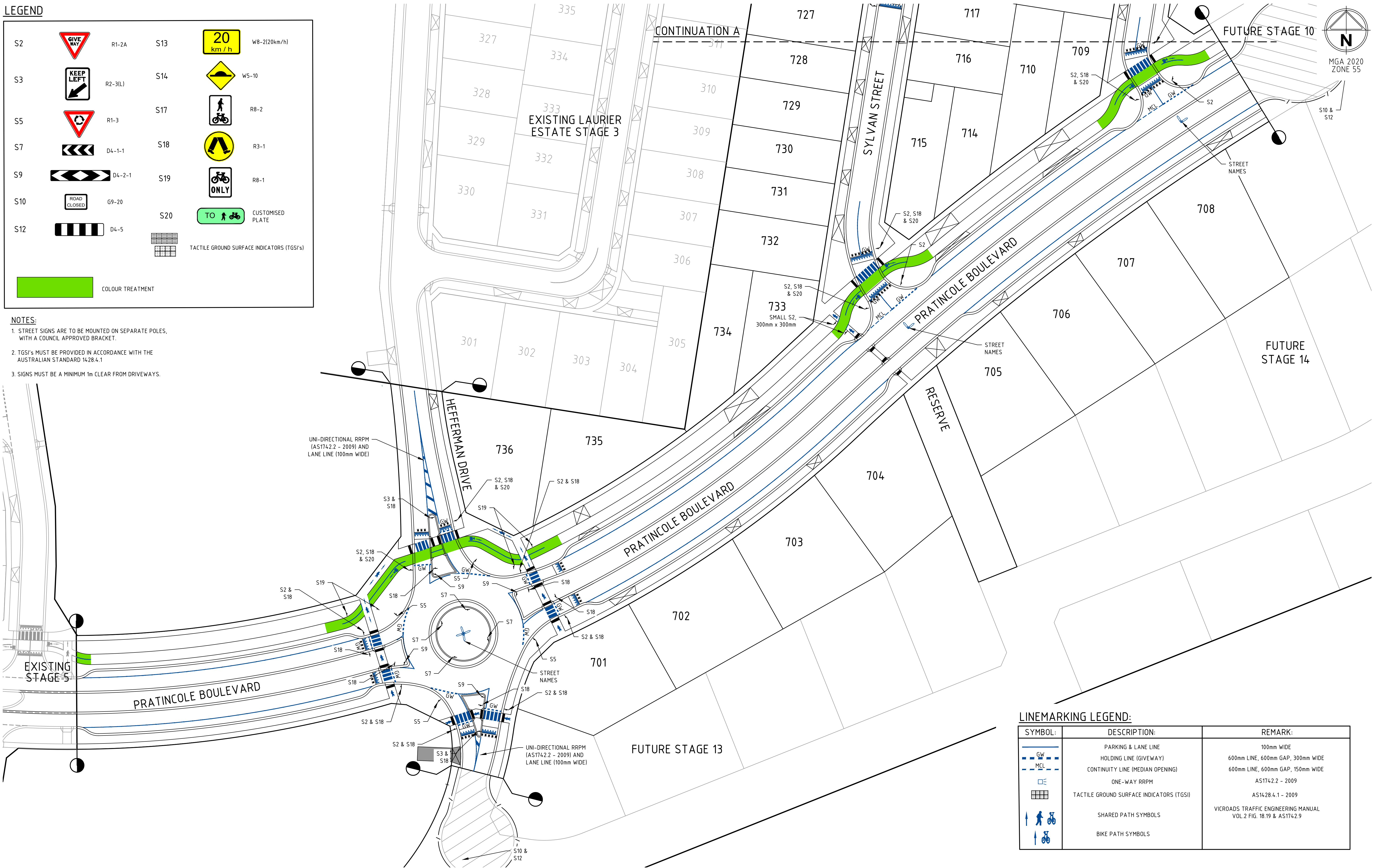
OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 3
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD
PRELIMINARY Drg No 310199CR702 Rev B

LEGEND

S2		R1-2A	S13		W8-2(20km/h)
S3		R2-3(L)	S14		W5-10
S5		R1-3	S17		R8-2
S7		D4-1-1	S18		R3-1
S9		D4-2-1	S19		R8-1
S10		G9-20	S20		CUSTOMISED PLATE
S12		D4-5			
					TACTILE GROUND SURFACE INDICATORS (TGSi's)
					COLOUR TREATMENT

NOTES:

- STREET SIGNS ARE TO BE MOUNTED ON SEPARATE POLES, WITH A COUNCIL APPROVED BRACKET.
- TGSi's MUST BE PROVIDED IN ACCORDANCE WITH THE AUSTRALIAN STANDARD 1428.4.1
- SIGNS MUST BE A MINIMUM 1m CLEAR FROM DRIVEWAYS.



LINEMARKING LEGEND:

SYMBOL:	DESCRIPTION:	REMARK:
	PARKING & LANE LINE	100mm WIDE
	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE
	CONTINUITY LINE (MEDIAN OPENING)	600mm LINE, 600mm GAP, 150mm WIDE
	ONE-WAY RRPM	AS1742.2 - 2009
	TACTILE GROUND SURFACE INDICATORS (TGSi)	AS1428.4.1 - 2009
	SHARED PATH SYMBOLS	VICROADS TRAFFIC ENGINEERING MANUAL VOL.2 FIG. 18.19 & AS1742.9
	BIKE PATH SYMBOLS	



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OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING - SHEET 1
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No **310199CR800** Rev **C**

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C	RE-ISSUED TO COUNCIL	B.W	05-09-25
B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25
Rev	Amendments	Approved	Date



LINEMARKING LEGEND:

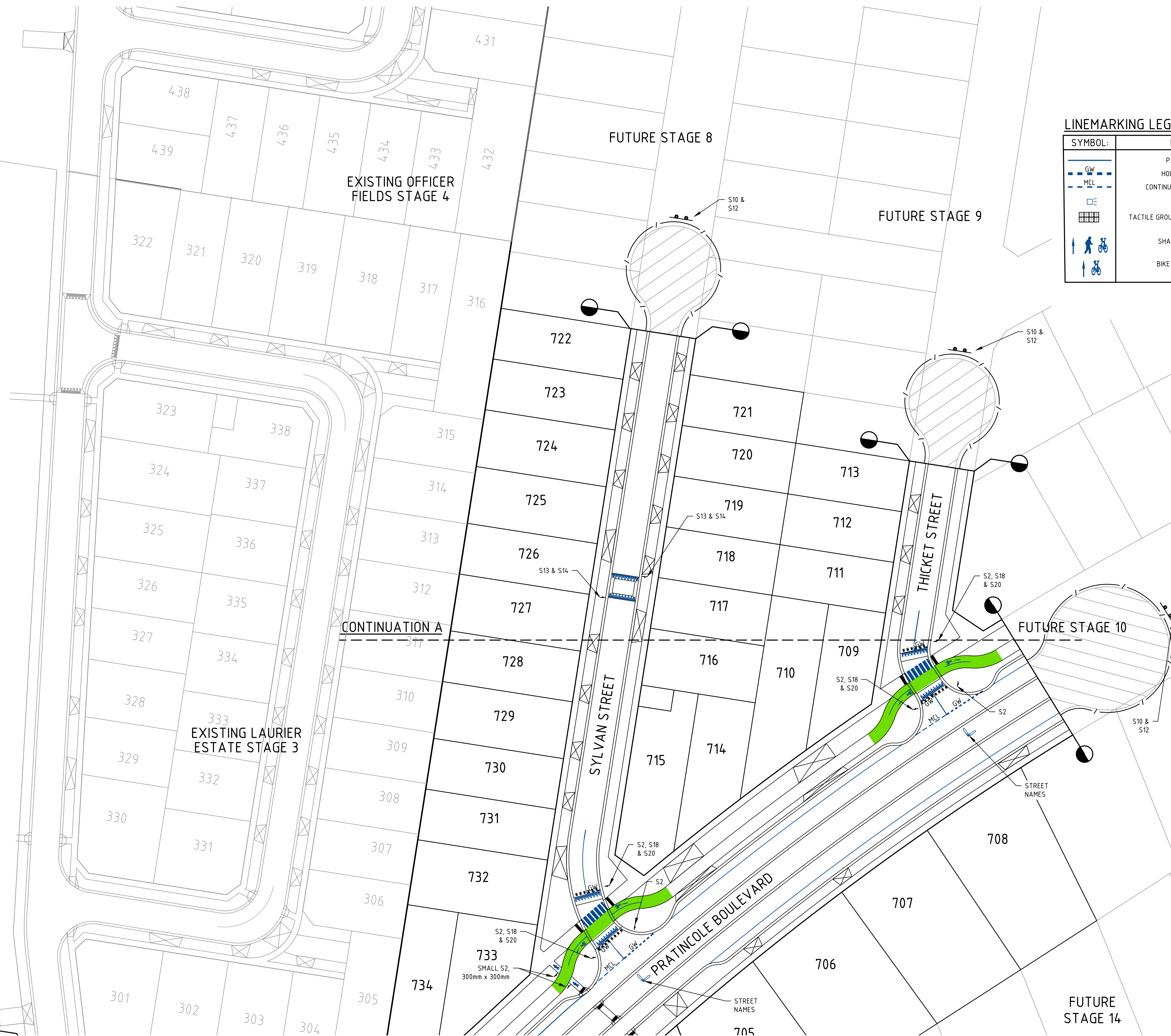
SYMBOL:	DESCRIPTION:	REMARK:
	PARKING & LANE LINE	100mm WIDE
	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE
	CONTINUITY LINE (MEDIAN OPENING)	600mm LINE, 600mm GAP, 150mm WIDE
	ONE-WAY RRP	AS1742.2 - 2009
	TACTILE GROUND SURFACE INDICATORS (TGSi)	AS1428.4.1 - 2009
	SHARED PATH SYMBOLS	VICROADS TRAFFIC ENGINEERING MANUAL VOL.2 FIG. 18.19 & AS1742.9
	BIKE PATH SYMBOLS	

LEGEND

S2		R1-2A
S3		R2-3(L)
S5		R1-3
S7		D4-1-1
S9		D4-2-1
S10		G9-20
S12		D4-5
S13		W8-2(20km/h)
S14		W5-10
S17		R8-2
S18		R3-1
S19		R8-1
S20		CUSTOMISED PLATE
		TACTILE GROUND SURFACE INDICATORS (TGSi's)
		COLOUR TREATMENT

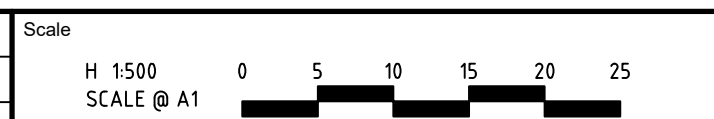
NOTES:

- STREET SIGNS ARE TO BE MOUNTED ON SEPARATE POLES, WITH A COUNCIL APPROVED BRACKET.
- TGSi's MUST BE PROVIDED IN ACCORDANCE WITH THE AUSTRALIAN STANDARD 1428.4.1
- SIGNS MUST BE A MINIMUM 1m CLEAR FROM DRIVEWAYS.



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Rev	Amendments	Approved	Date
C	RE-ISSUED TO COUNCIL	B.W	05-09-25
B	ISSUED TO COUNCIL	B.W	29-05-25
A	ISSUED TO CLIENT	B.W	07-02-25



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Date
FEBRUARY 25

OFFICER FIELDS
STAGE 7
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING - SHEET 2
CARDINIA SHIRE COUNCIL
YOURLAND PTY LTD

PRELIMINARY Drg No 310199CR801 Rev C