

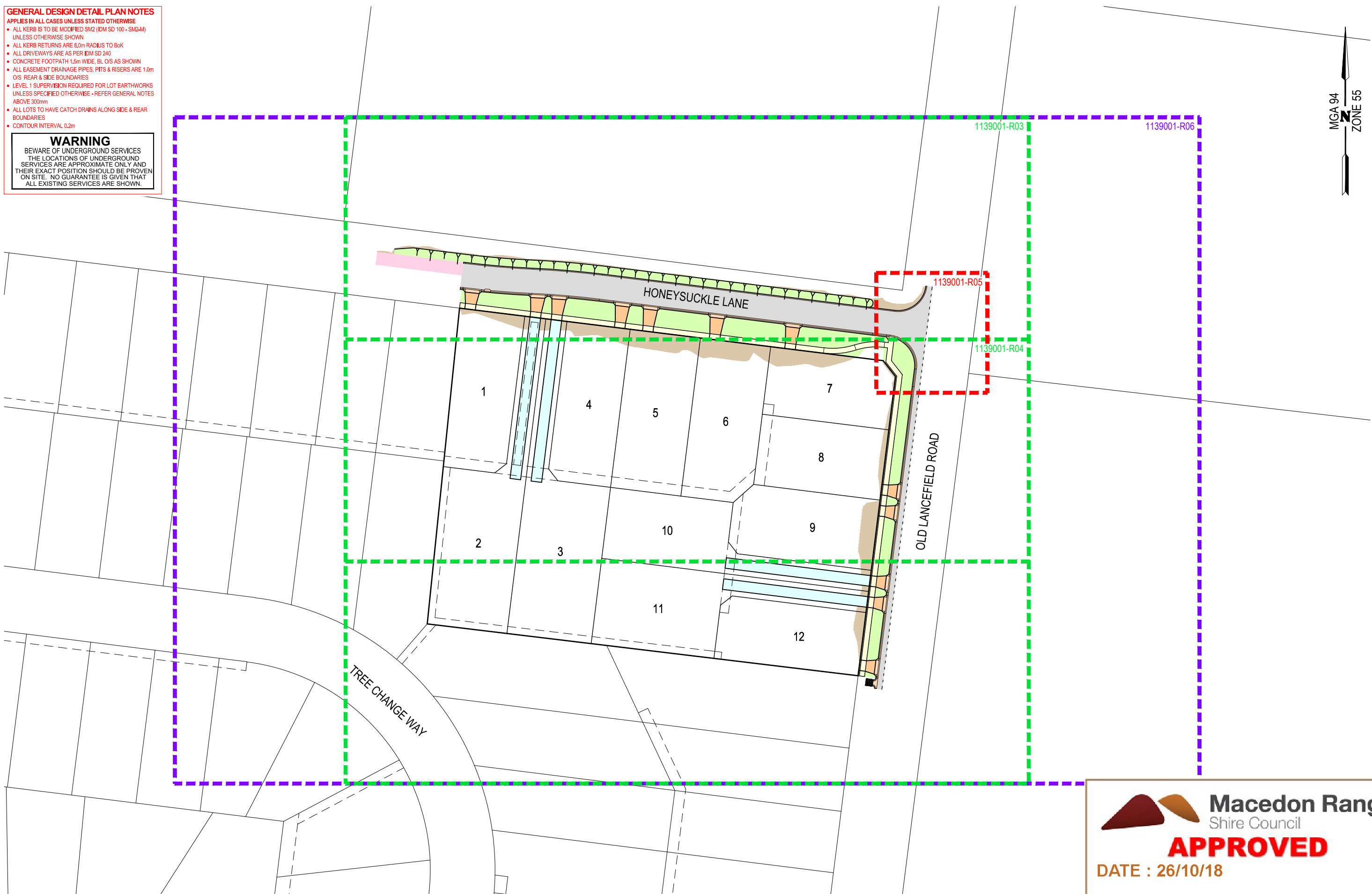


**GENERAL DESIGN DETAIL PLAN NOTES**

- APPLIES IN ALL CASES UNLESS STATED OTHERWISE
- ALL KERB IS TO BE MODIFIED SM2 (DM SD 100 - SM2-M) UNLESS OTHERWISE SHOWN
  - ALL KERB RETURNS ARE 8.0m RADIUS TO BOK
  - ALL DRIVEWAYS ARE AS PER DM SD 240
  - CONCRETE FOOTPATH 1.5m WIDE. BL O/S AS SHOWN
  - ALL EASEMENT DRAINAGE PIPES, PITS & RISERS ARE 1.0m O/S REAR & SIDE BOUNDARIES
  - LEVEL 1 SUPERVISION REQUIRED FOR LOT EARTHWORKS UNLESS SPECIFIED OTHERWISE - REFER GENERAL NOTES ABOVE 300mm
  - ALL LOTS TO HAVE CATCH DRAINS ALONG SIDE & REAR BOUNDARIES
  - CONTOUR INTERVAL 0.2m

**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.



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 ID PROJECTS: WOODENDENGINEERING/CIVIL/CURRENT DESIGN/1139001/ENG PLANS R&D/REV.DWG



**Macedon Ranges**  
Shire Council

**APPROVED**

DATE : 26/10/18

**AUTHORISED OFFICER**  
ISTVAN MARTON

**PRELIMINARY PLAN ONLY**

REV	DES	DWG	CHK	DATE	REVISION
D		BM		08/10/18	UPDATE LEGEND
C		BM	NB	07/09/18	AMENDMENTS AS PER COUNCIL COMMENTS
B		BM	ME	03/08/18	UPDATED PAVEMENT DETAILS
A		BM	BM	30/07/18	AS SUBMITTED TO COUNCIL AND FOR TENDER



**Tomkinson Group**

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Licensed Surveyors    Civil Engineers

Tel: (03) 5445 8700 / 1300 350 580    Fax: (03) 5441 3648  
PO Box 421, Bendigo 3552    57 Myers Street, Bendigo 3550  
web: www.tomkinson.com    email: bendigo@tomkinson.com



Principal WOODEND PROJECTS PTY LTD

12 LOT SUBD

65 OLD LANCEFIELD ROAD, WOODEND

**OVERALL DEVELOPMENT PLAN**

NO	DATE	REV	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

Drawing No. 1139001-R02

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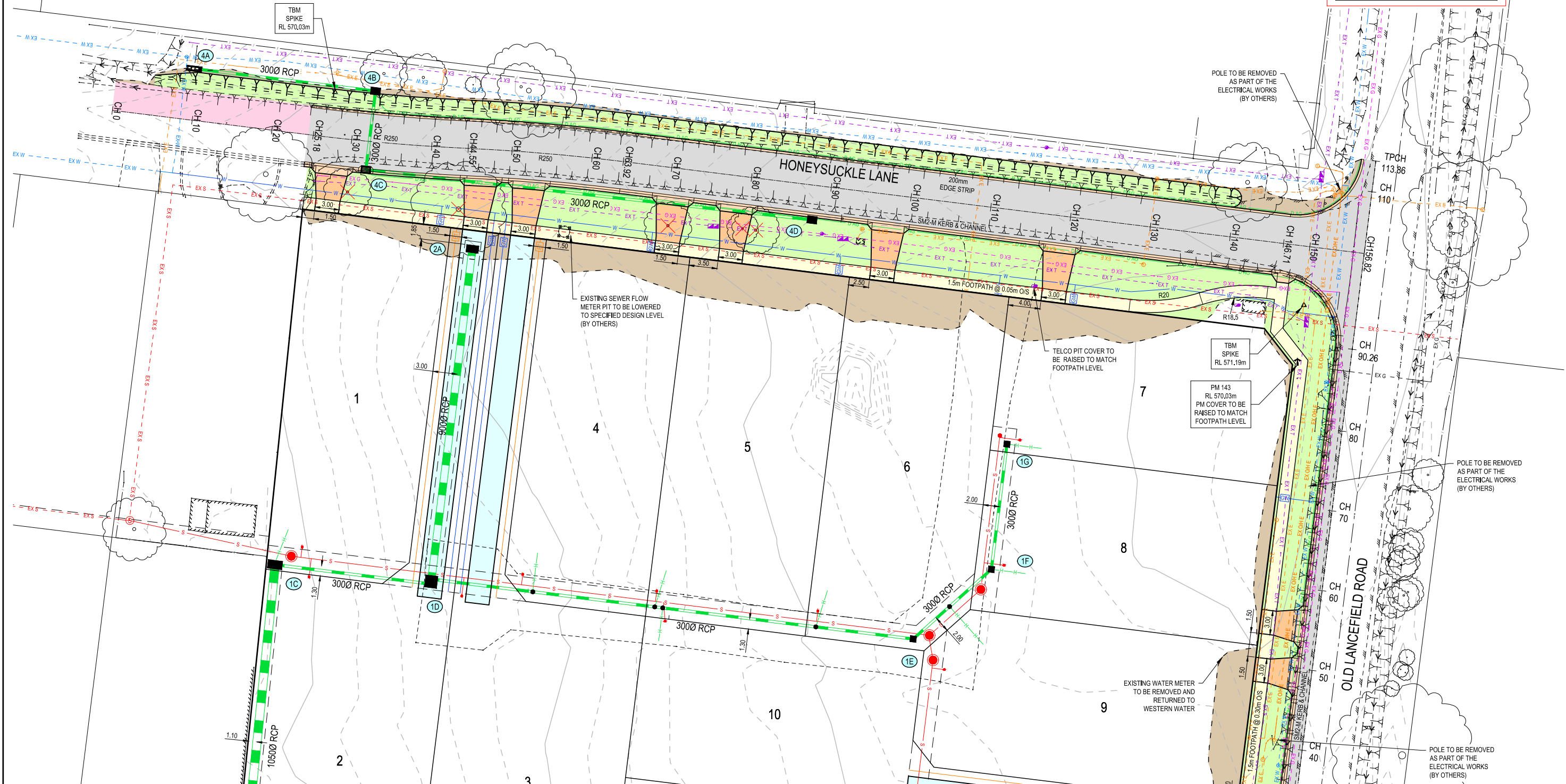
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MGA 94  
ZONE 55



REFER TO 1139001-R04 FOR CONTINUATION

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PLAN ONLY**

REV	DES	DWG	CHK	DATE
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C		BM	NB	07/09/18
B		BM	ME	03/08/18
A		BM	BM	30/07/18

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57 Myers Street, Bendigo 3550  
email: bendigo@tomkinson.com

12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
LAYOUT PLAN (SHEET 1 OF 2)

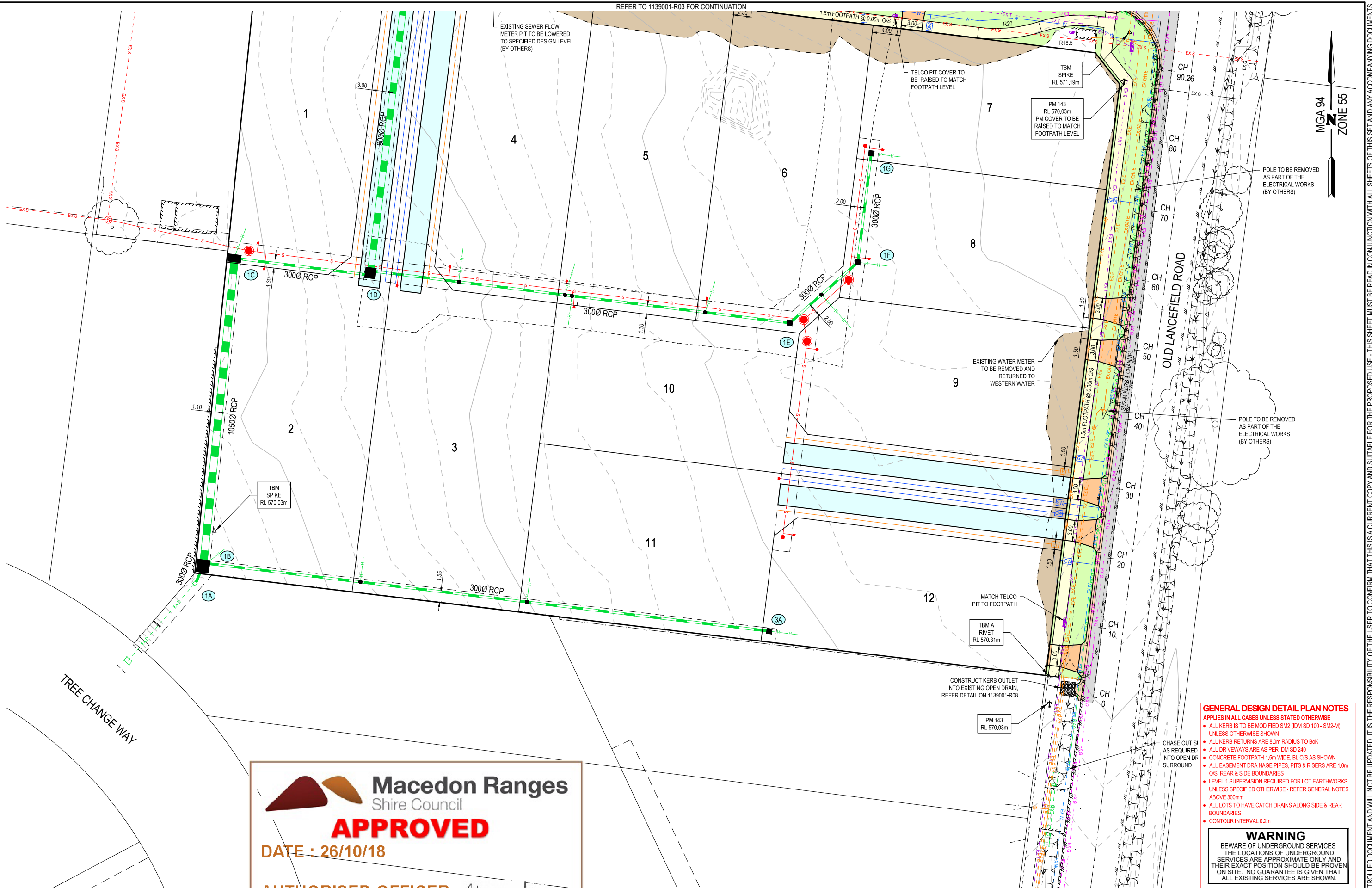
Municipality & Ref:  
MACEDON RANGES  
SHIRE COUNCIL  
PLN/2017/462

SHT 3 of 17 | REV D

Drawing No.  
1139001-R03

SCALE: 1:500  
LENGTHS ARE IN METRES - PAPER SIZE A3

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**Macedon Ranges**  
Shire Council

**APPROVED**

DATE : 26/10/18

AUTHORISED OFFICER:  
**ISTVAN MARTON**

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C					AMENDMENTS AS PER COUNCIL COMMENTS
B					UPDATED PAVEMENT DETAILS
A					AS SUBMITTED TO COUNCIL AND FOR TENDER

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	BM	BM	NB	30/07/18	

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Principal WOODEND PROJECTS PTY LTD

SCALE: 1:500  
 LENGTHS ARE IN METRES - PAPER SIZE A3

12 LOT SUBDIVISION  
 65 OLD LANCEFIELD ROAD, WOODEND  
 LAYOUT PLAN (SHEET 2 OF 2)

Municipality & Ref:  
 MACEDON RANGES  
 SHIRE COUNCIL  
 PLN/2017/462

SHT 4 of 17 REV D

Drawing No.  
 1139001-R04

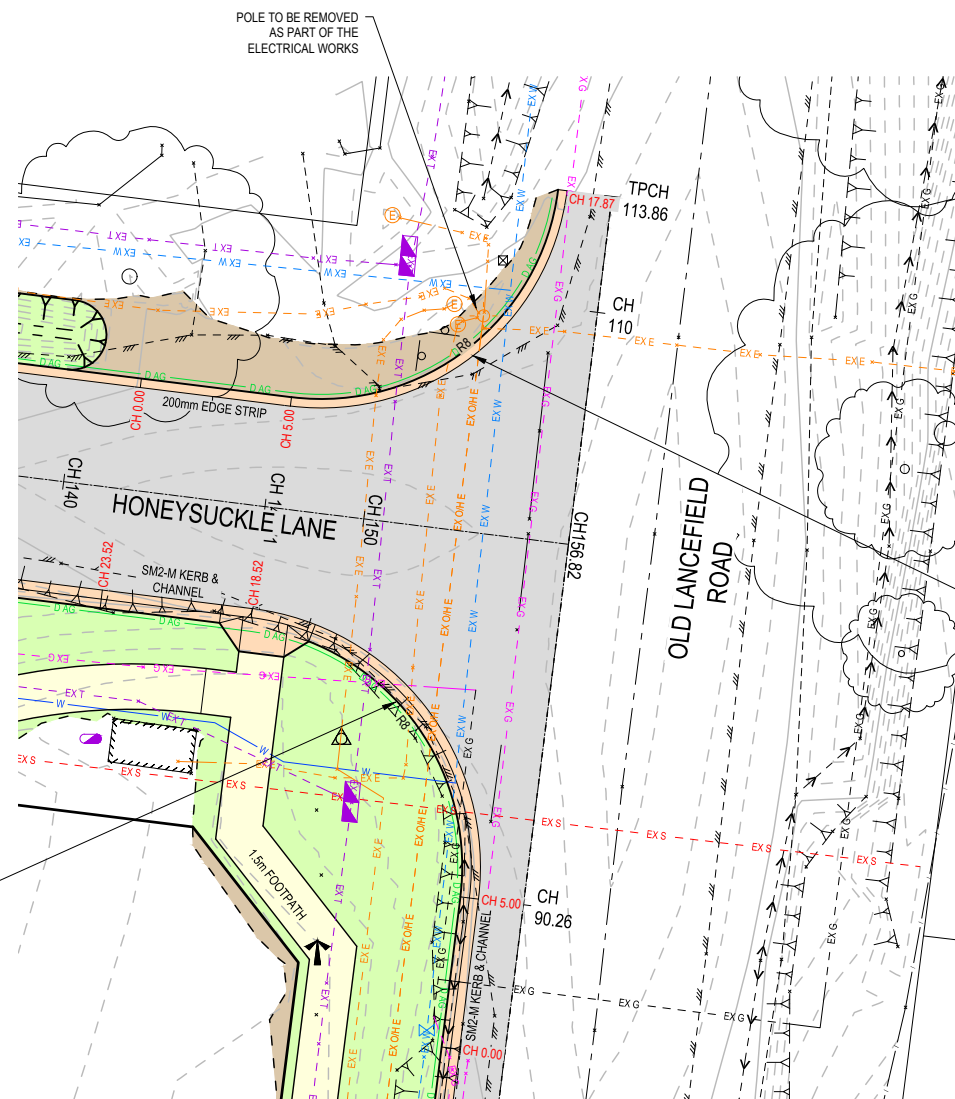
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MGA 94  
ZONE 55



CHAINAGE	0.00	2.00	4.00	5.00	6.00	8.00	10.00	12.00	13.01	14.00	16.00	17.00	18.00	18.52	20.00	21.00	22.00	23.52
DESIGN BACK OF KERB	571.03	571.04	571.05	571.06	571.06	571.08	571.09	571.10	571.10	571.11	571.11	571.10	571.10	571.10	571.08	571.07	571.06	571.04
DESIGN LIP OF KERB	570.99	571.00	571.01	571.01	571.02	571.03	571.04	571.05	571.06	571.06	571.06	571.06	571.06	571.06	571.04	571.03	571.02	571.00
NATURAL SURFACE	570.96	570.94	570.99	570.99	570.99	570.99	571.03	571.05	571.06	571.06	571.07	571.08	571.08	571.08	571.12	571.13	571.13	571.13
IP	570.99										571.08							571.00

**Macedon Ranges**  
Shire Council

**APPROVED**

DATE : 26/10/18

AUTHORISED OFFICER: *Istvan Marton*

CHAINAGE	0.00	2.00	4.00	4.75	5.00	6.00	8.00	9.75	10.00	12.00	14.00	14.75	16.00	17.87
DESIGN LIP OF KERB	571.00	571.01	571.03	571.03	571.03	571.04	571.05	571.05	571.05	571.04	571.03	571.02	571.01	570.99
NATURAL SURFACE	571.07	571.06	571.08	571.10	571.10	571.09	571.10	571.06	571.05	571.03	571.02	571.02	571.02	570.99
IP	571.00									571.07				570.99

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C		BM	NB	07/09/18
B		BM	ME	03/08/18
A		BM	BM	30/07/18

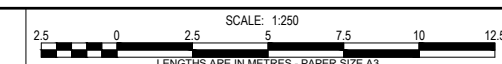
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Development Planners Civil Engineers

ISO 9001:2015 FSS20488

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57 Myers Street, Bendigo 3550  
email: bendigo@tomkinson.com

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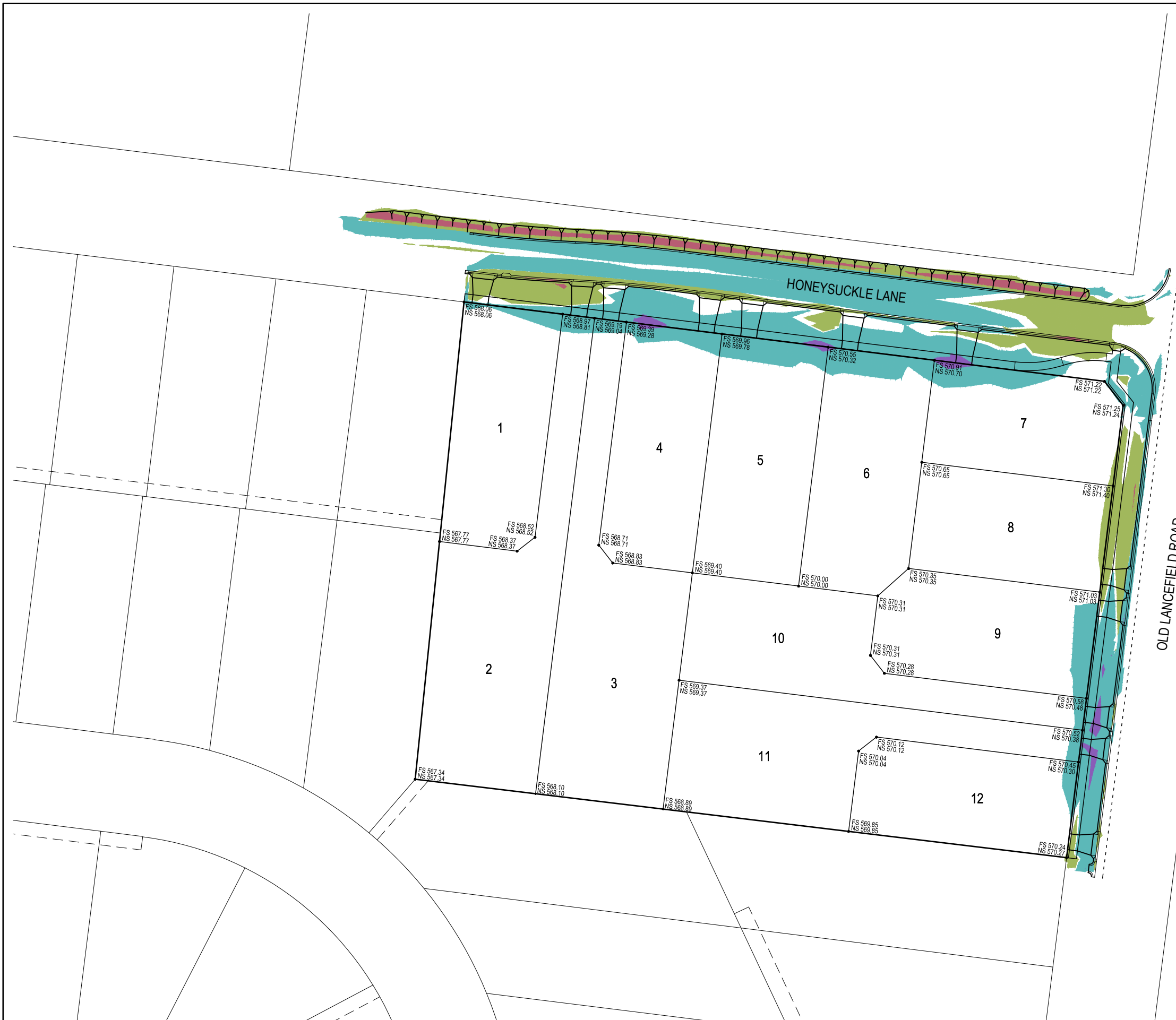
12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
INTERSECTION DETAILS

Municipality & Ref:  
MACEDON RANGES  
SHIRE COUNCIL  
PLN/2017/462

SHT 5 of 17 REV D

Drawing No.  
1139001-R05

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  - CONTOUR INTERVAL 0.2m

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**CUT & FILL TABLE**

No	MIN CUT	MAX CUT	COLOUR
1	-0.39	-0.20	Red
2	-0.20	-0.02	Green
3	0.02	0.20	Blue
4	0.20	0.27	Purple

NOTE: -VE DENOTES CUT & +VE DENOTES FILL DEPTHS SHOWN ARE A COMPARISON BETWEEN THE FINISHED SURFACE AND THE NATURAL SURFACE. NO ALLOWANCE HAS BEEN MADE FOR THE STRIPPING OF TOPSOIL. DEPTHS DO NOT ALLOW FOR ANY EXCAVATION OF MATERIAL BELOW THE FINISHED SURFACE LEVEL. IE EXCAVATION OF ROAD SUBGRADE AND TRENCHING. REFER TO CROSS SECTIONS FOR FURTHER DETAILS



**Macedon Ranges**  
 Shire Council

**APPROVED**

DATE : 26/10/18

AUTHORISED OFFICER:  
**ISTVAN MARTON**

Principal WOODEND PROJECTS PTY LTD

SCALE: 1:750

Municipality & Ref:  
 MACEDON RANGES SHIRE COUNCIL  
 PLN/2017/462  
 SHT 6 of 17 | REV D  
 Drawing No. 1139001-R06

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D	UPDATE LEGEND	-	BM	-	08/10/18
C	AMENDMENTS AS PER COUNCIL COMMENTS	-	BM	NB	07/09/18
B	UPDATED PAVEMENT DETAILS	-	BM	ME	03/08/18
A	AS SUBMITTED TO COUNCIL AND FOR TENDER	BM	BM	NB	30/07/18

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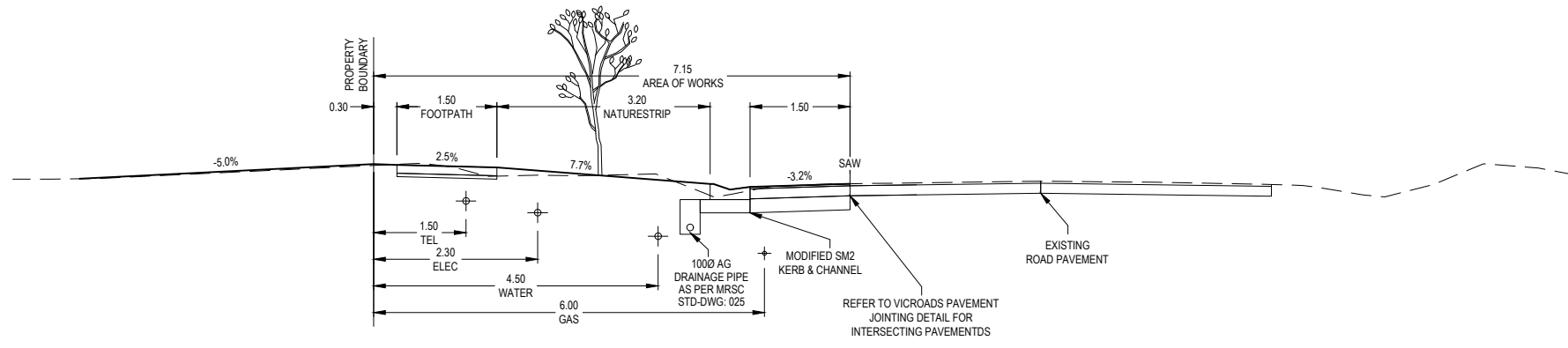
ISO 9001:2015 FSS20488

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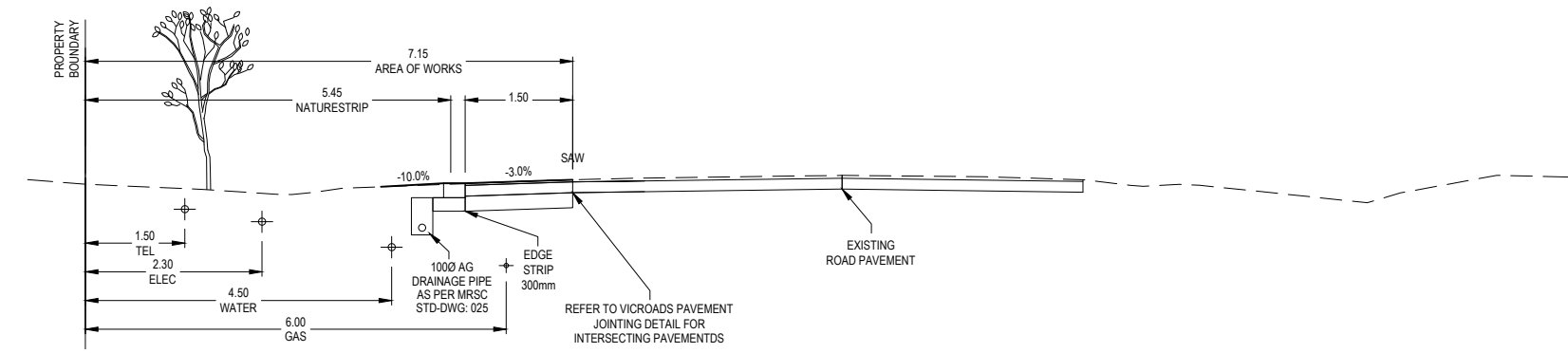
12 LOT SUBDIVISION  
 65 OLD LANCEFIELD ROAD, WOODEND  
 PROPOSED EARTHWORKS PLAN

7.5  
 LENGTHS ARE IN METRES - PAPER SIZE A3

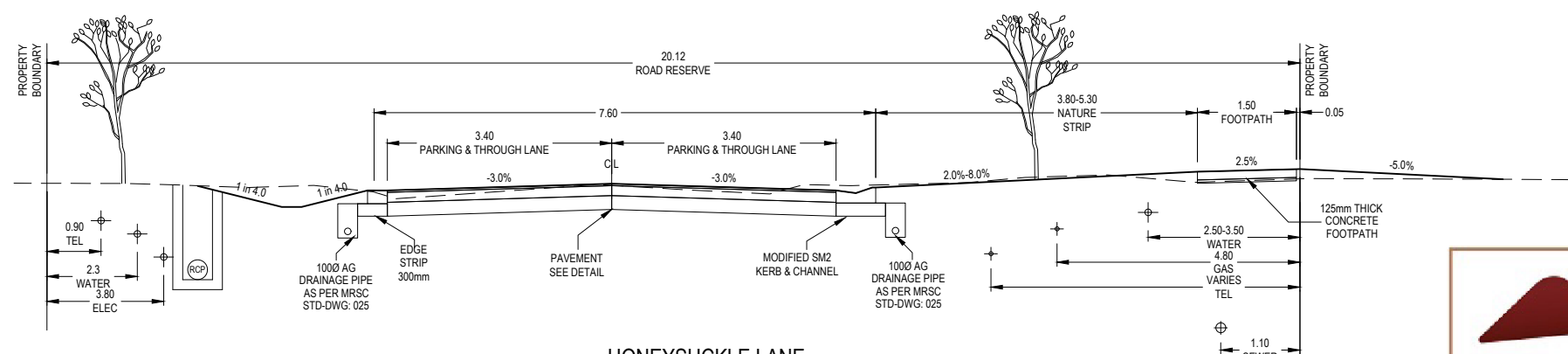
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OLD LANCEFIELD ROAD - CH:0.00-100.00  
SCALE 1:100



OLD LANCEFIELD ROAD - CH:100.00-113.86  
SCALE 1:100



HONEYSUCKLE LANE  
SCALE 1:100

**Macedon Ranges**  
Shire Council

**APPROVED**

DATE : 26/10/18

AUTHORISED OFFICER: *[Signature]*

**ISTVAN MARTON**

SCALE H 1:500 V 1:50  
LENGTHS ARE IN METRES - PAPER SIZE A3

**PRELIMINARY  
PLAN ONLY**

REV	DES	DWG	CHK	DATE	REVISION
D			BM	08/10/18	UPDATE LEGEND
C			BM NB	07/09/18	AMENDMENTS AS PER COUNCIL COMMENTS
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A			BM BM NB	30/07/18	AS SUBMITTED TO COUNCIL AND FOR TENDER

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web: www.tomkinson.com email: bendigo@tomkinson.com

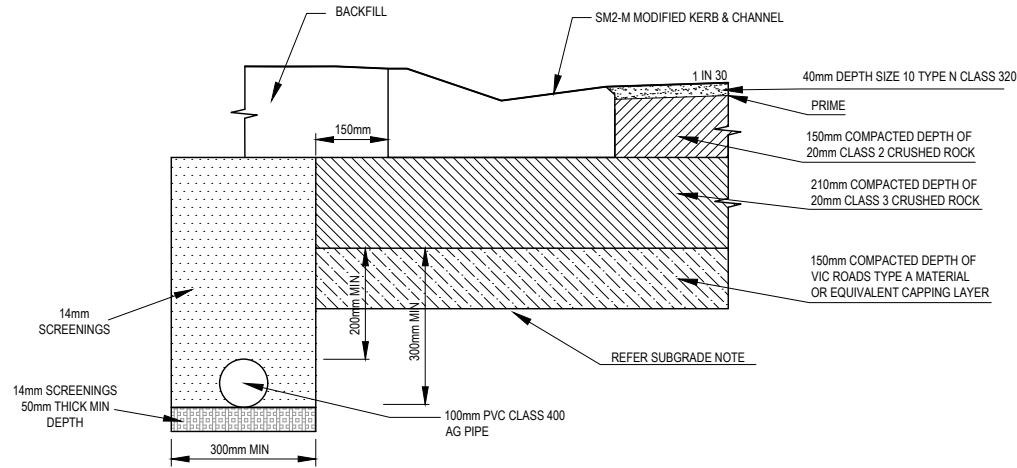
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12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
TYPICAL DETAILS (SHEET 1 OF 2)

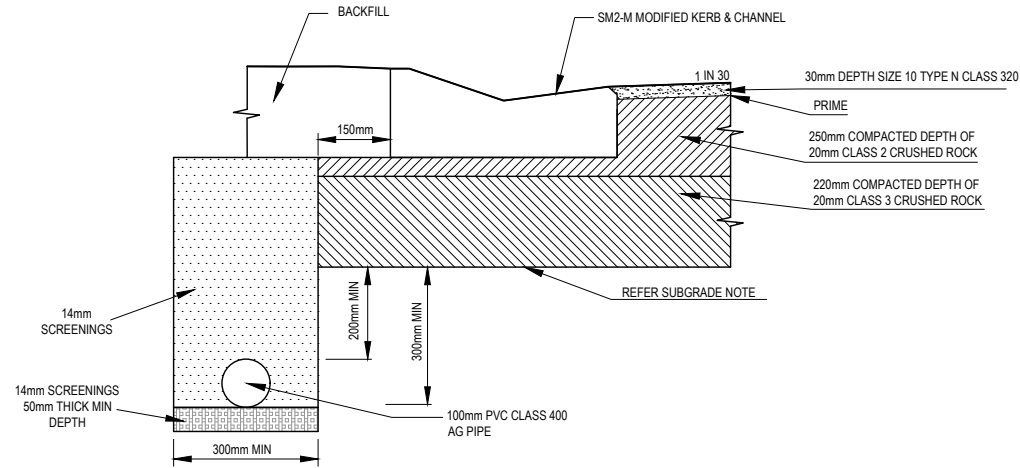
SHT 7 of 17	REV D
Drawing No. 1139001-R07	

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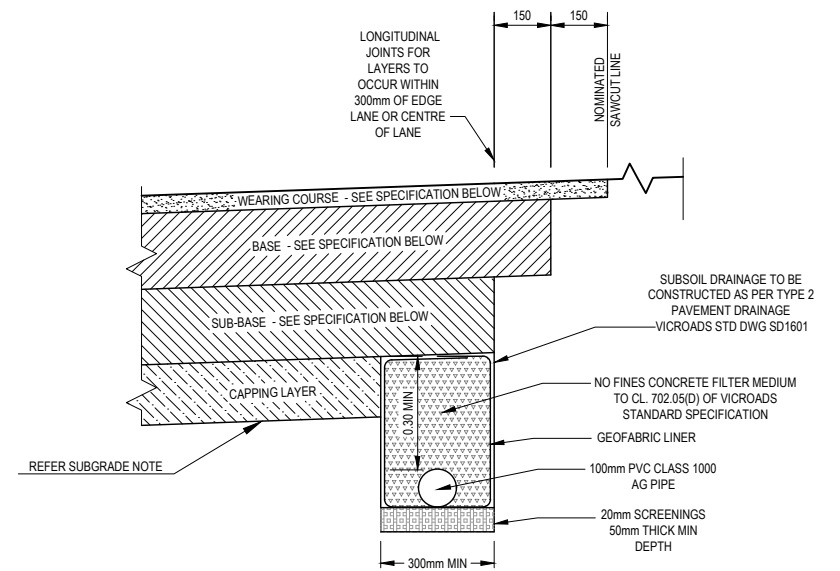
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TYPICAL PAVEMENT DETAIL -  
OLD LANCEFIELD ROAD  
(NOT TO SCALE)



TYPICAL PAVEMENT DETAIL -  
HONEYSUCKLE LANE  
(NOT TO SCALE)

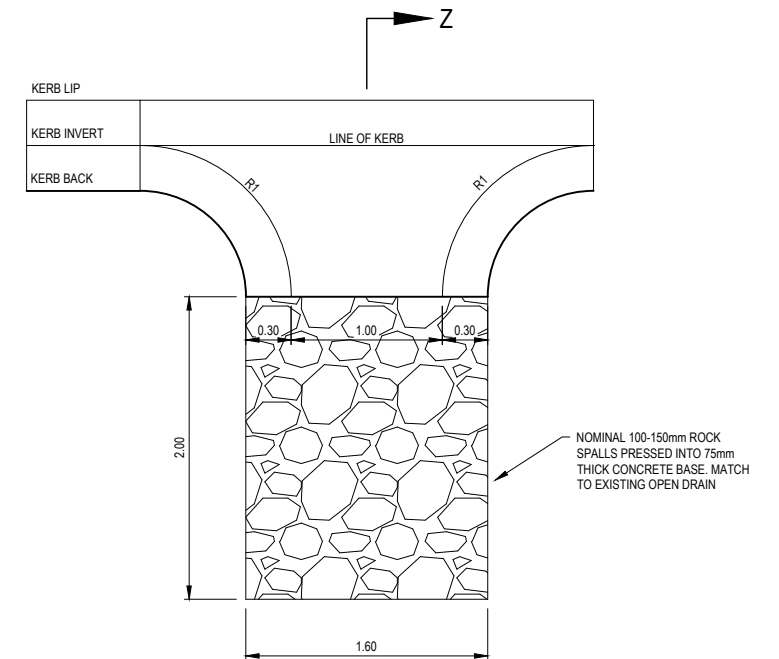


TYPICAL VICROADS PAVEMENT  
LONGITUDINAL JOINTING DETAIL  
OLD LANCEFIELD ROAD  
(NOT TO SCALE)

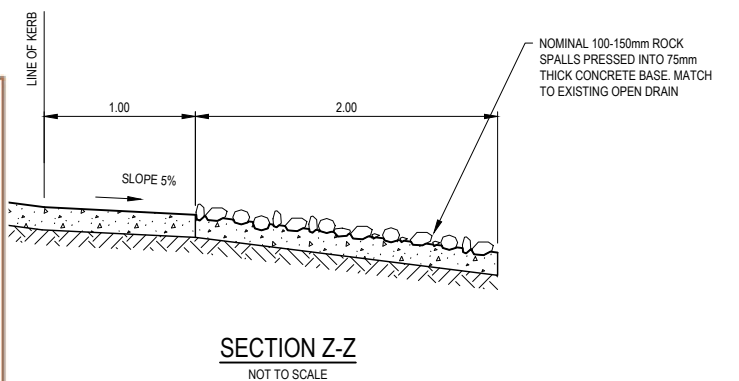
AREA	WEARING COURSE	BASE	SUB-BASE	CAPPING LAYER	NOTES
OLD LANCEFIELD FULL DEPTH	40mm THICK SIZE 10mm TYPE 'N' ASPHALT	150mm THICK SIZE 20mm CLASS 2 FCR	210mm THICK SIZE 20mm CLASS 3 FCR	150mm COMPACTED DEPTH VIC ROADS TYPE-A MATERIAL	PROVIDE 150mm DEPTH OF VICROADS TYPE A CAPPING MATERIAL TO PROVIDE CAPPING LAYER BETWEEN SUBGRADE AND PAVEMENT. CAPPING LAYER TO BE COMPACTED TO ACHIEVE MINIMUM 3% CBR.
HONEYSUCKLE FULL DEPTH	30mm THICK SIZE 10mm TYPE 'N' ASPHALT	250mm THICK SIZE 20mm CLASS 2 FCR	220mm THICK SIZE 20mm CLASS 3 FCR		SUBGRADE TO BE PREPARED TO ACHIEVE MINIMUM 5% CBR. AREAS UNABLE TO ACHIEVE COMPACTION TO BE REMOVED AND REPLACED WITH CLASS 3 CRUSHED ROCK TO A MINIMUM DEPTH OF 200mm
INTERNAL CONCRETE DRIVEWAY	125mm REINFORCED CONCRETE 32MPa WITH SL 82 MESH	75mm THICK SIZE 20mm CLASS 3 FCR			
CONCRETE DRIVEWAY	150mm REINFORCED CONCRETE 32MPa WITH SL 82 MESH	75mm THICK SIZE 20mm CLASS 3 FCR			JOINTING ETC AS PER MRSC STANDARDS
CONCRETE FOOTPATH	125mm REINFORCED CONCRETE 25MPa WITH SL 72 MESH	75mm THICK SIZE 20mm CLASS 3 FCR			JOINTING ETC AS PER MRSC STANDARDS

PAVEMENT NOTES:

- AGRICULTURAL DRAIN TO BE MIN 300mm BELOW BOTTOM OF ROAD PAVEMENT WITH CLEARANCE TO ALL SERVICE CONDUITS
- SCREENING IN A.G. TRENCH TO BE 20mm ONE SIZE AND TO EXTEND TO BOTTOM OF KERB AND CHANNEL
- CLASS 400 PIPE TO BE USED AT BACK OF KERB OR IN NON-TRAFFICABLE AREAS AND BACKFILLED WITH 20mm SCREENINGS
- CLASS 1000 PIPE TO BE USED IN TRAFFICABLE AREAS AND BACKFILLED WITH NO-FINES CONCRETE
- USE OF SCORIA SCREENINGS IS NOT PERMITTED
- WHERE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND REPLACED WITH A LAYER OF 250mm DEPTH CLASS 3 FCR, COMPACTED TO 98% STANDARD.
- SUBGRADE TO BE IMPROVED VIA LIME & CEMENT STABILISATION TO ACHIEVE MINIMUM CBR VALUE OF 10.
  - A TYPICAL VALUE OF 3% LIME AND CEMENT STABILISATION 300mm THICK CAN BE CONSIDERED, OR;
  - ALTERNATIVELY ADDITIONAL SUB-BASE LAYER OF 250mm DEPTH 3% CEMENT STABILISED CL3 CRUSHED ROCK.
  - STABILISED SUB-GRADE CBR TO BE VERIFIED TO SATISFACTION OF COUNCIL BY INDEPENDENT GEOTECHNICAL ENGINEER
- WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCL' ROCK & CLAY) MUST BE REMOVED. THE SUBGRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
- PRIOR TO PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENT, APPROVAL OF THE MATERIAL TO BE USED MUST BE OBTAINED FROM COUNCIL.



PLAN - KERB & CHANNEL OUTLET CHUTE  
(NOT TO SCALE)



SECTION Z-Z  
(NOT TO SCALE)

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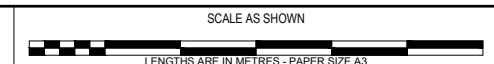
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57 Myers Street, Bendigo 3550  
email: bendigo@tomkinson.com

**Macedon Ranges Shire Council**  
**APPROVED**  
DATE : 26/10/18  
AUTHORISED OFFICER: *Istvan Marton*  
ISTVAN MARTON  
Principal WOODEND PROJECTS PTY LTD

12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
TYPICAL DETAILS (SHEET 2 OF 2)

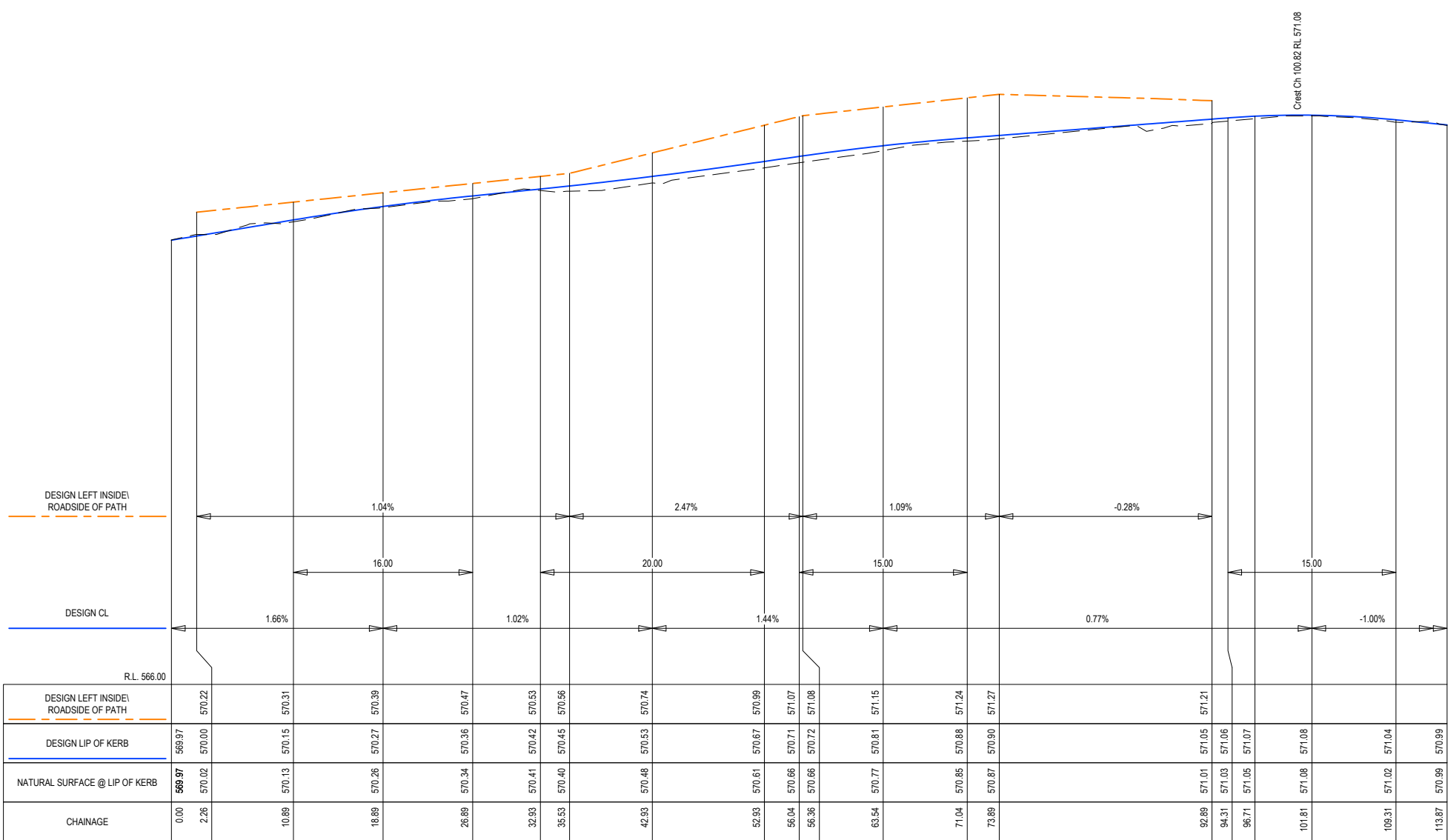


Municipality & Ref:  
MACEDON RANGES SHIRE COUNCIL  
PLN2017/462  
SHT 8 of 17 | REV D  
Drawing No.  
1139001-R08

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CHAINAGE	0.00	2.26	10.89	18.89	26.89	32.93	35.53	42.93	52.93	56.04	56.36	63.54	71.04	73.89	92.89	94.31	96.71	101.81	109.31	113.87
DESIGN LEFT INSIDE ROADSIDE OF PATH	569.97	570.00	570.31	570.39	570.47	570.53	570.56	570.74	570.99	570.67	570.99	571.15	571.24	571.27	571.05	571.21	571.07	571.08	571.04	570.99
DESIGN LIP OF KERB	569.97	570.00	570.15	570.27	570.36	570.42	570.45	570.53	570.67	570.71	570.72	570.81	570.88	570.90	571.05	571.06	571.07	571.08	571.04	570.99
NATURAL SURFACE @ LIP OF KERB	569.97	570.02	570.13	570.26	570.34	570.41	570.40	570.48	570.61	570.66	570.66	570.77	570.85	570.87	571.01	571.03	571.05	571.08	571.02	570.99



**Macedon Ranges**  
Shire Council

APPROVED

DATE : 26/10/18

AUTHORISED OFFICER: *Istvan Marton*

ISTVAN MARTON

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PLAN ONLY

REV	DES	DWG	CHK	DATE
D			BM	08/10/18
C			BM NB	07/09/18
B			BM ME	03/08/18
A			BM NB	30/07/18



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Project Managers    Development Planners  
Licensed Surveyors    Civil Engineers

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PO Box 421, Bendigo 3552    57 Myers Street, Bendigo 3550  
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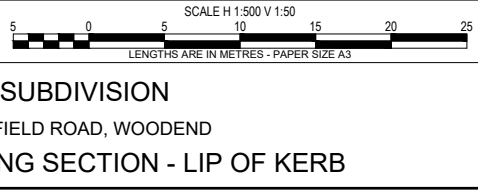


Principal WOODEND PROJECTS PTY LTD

12 LOT SUBDIVISION

65 OLD LANCEFIELD ROAD, WOODEND

OLD LANCEFIELD LONG SECTION - LIP OF KERB



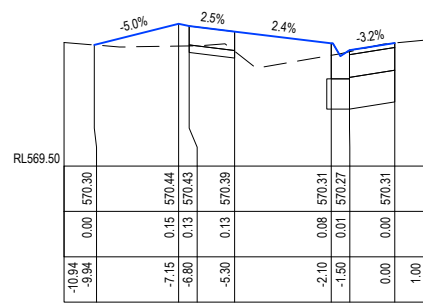
Municipality & Ref:  
MACEDON RANGES  
SHIRE COUNCIL  
PLN/2017/462

SHT 8 of 17    REV D

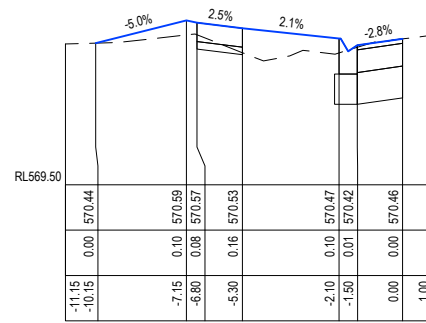
Drawing No.  
1139001-R09

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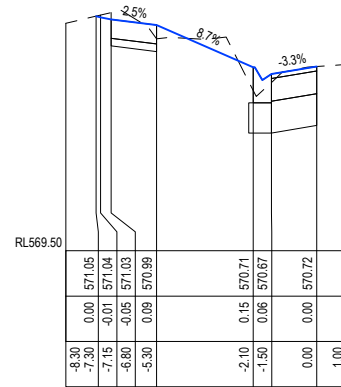
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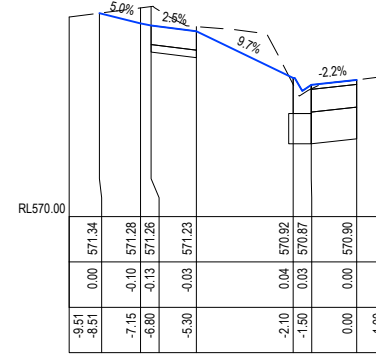
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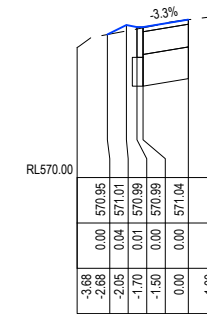
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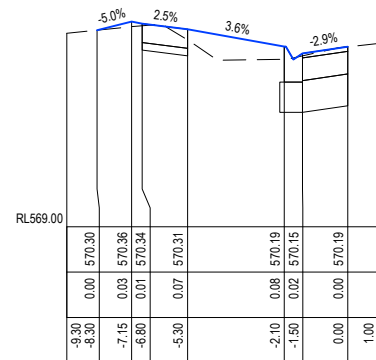
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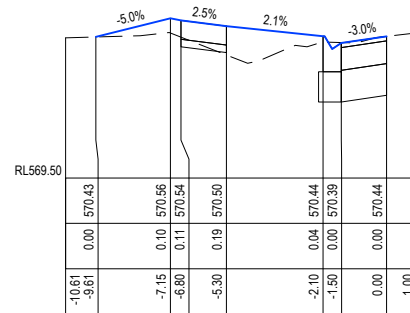
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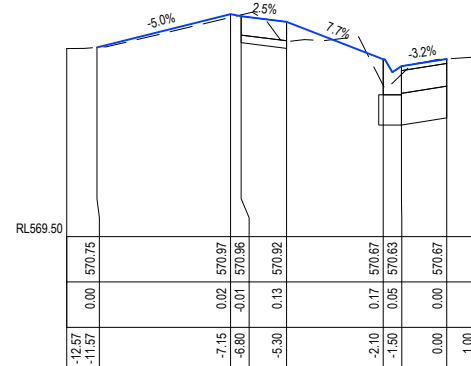
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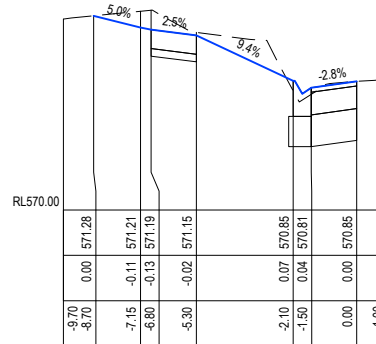
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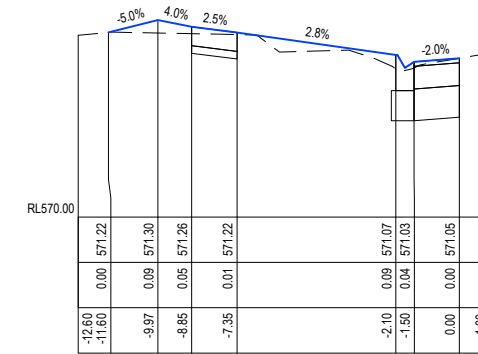
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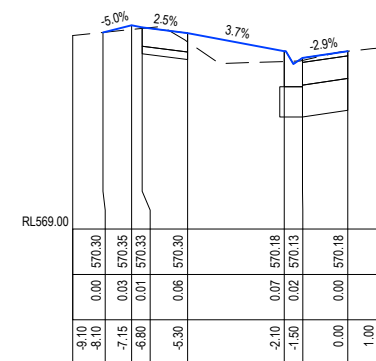
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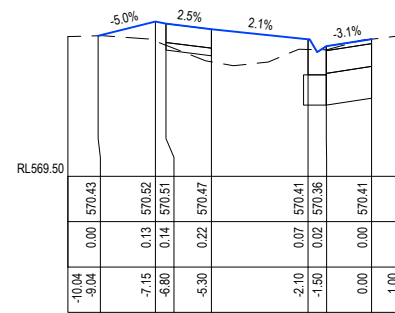
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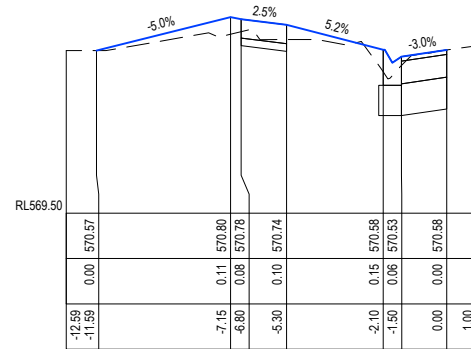
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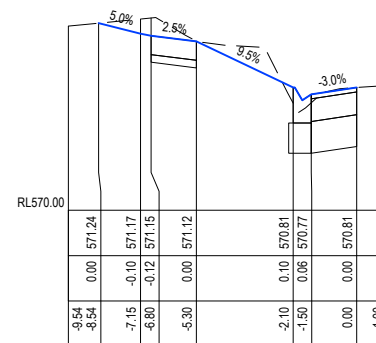
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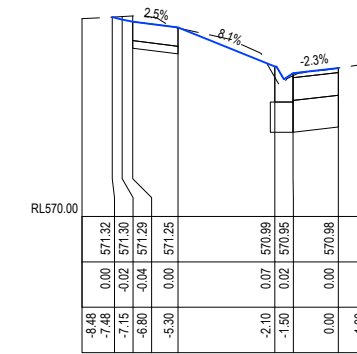
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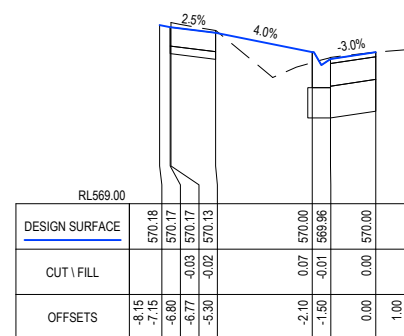
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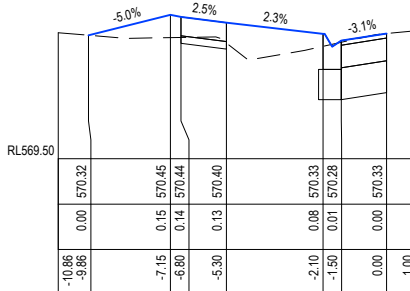
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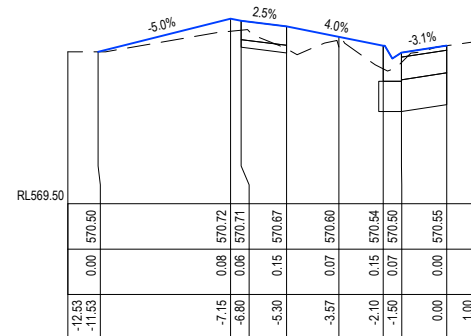
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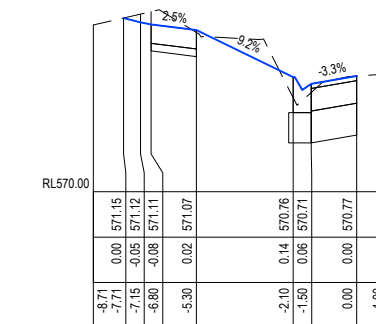
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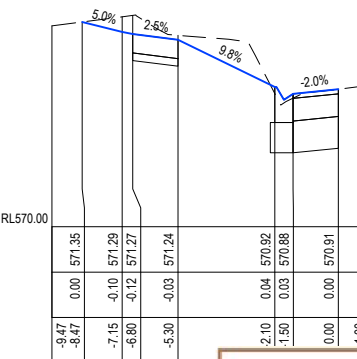
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CH 40.00



CH 56.04



CH 80.00

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REV	DESCRIPTION	DES	DWG	CHK	DATE
D	UPDATE LEGEND			BM	08/10/18
C	AMENDMENTS AS PER COUNCIL COMMENTS			BM NB	07/09/18
B	UPDATED PAVEMENT DETAILS			BM ME	03/08/18
A	AS SUBMITTED TO COUNCIL AND FOR TENDER			BM BM NB	30/07/18

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 Licensed Surveyors Civil Engineers  
 Tel: (03) 5445 8700 / 1300 350 580 Fax: (03) 5441 3648  
 PO Box 421, Bendigo 3552 57 Myers Street, Bendigo 3550  
 web: www.tomkinson.com email: bendigo@tomkinson.com

Principal WOODEND PROJECTS PTY LTD  
 12 LOT SUBD  
 65 OLD LANCEFIELD RD  
 OLD LANCEFIELD RD C

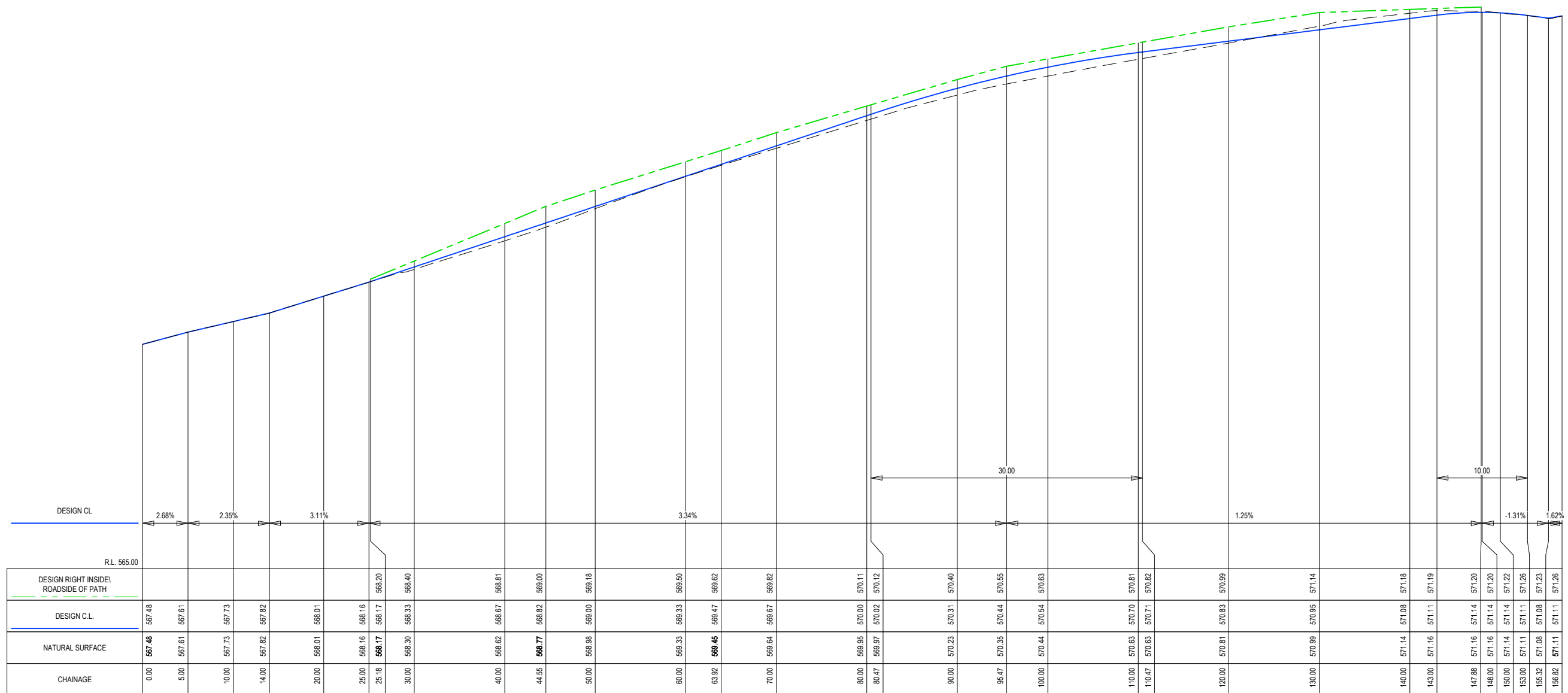
**Macedon Ranges**  
Shire Council  
**APPROVED**  
 DATE: 26/10/18  
 SHT 10 of 17 REV D  
 AUTHORIZED OFFICER: **ISTVAN MARTON**

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AUTHORISED OFFICER:   
ISTVAN MARTON



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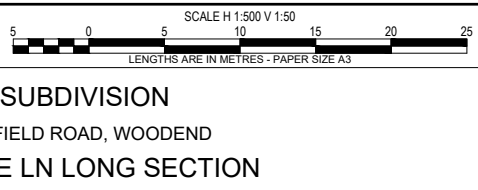
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Principal WOODEND PROJECTS PTY LTD  
12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
HONEYSUCKLE LN LONG SECTION



Municipality & Ref:  
MACEDON RANGES  
SHIRE COUNCIL  
PLN/2017/462  
SHT 11 of 17 | REV D  
Drawing No.  
1139001-R11

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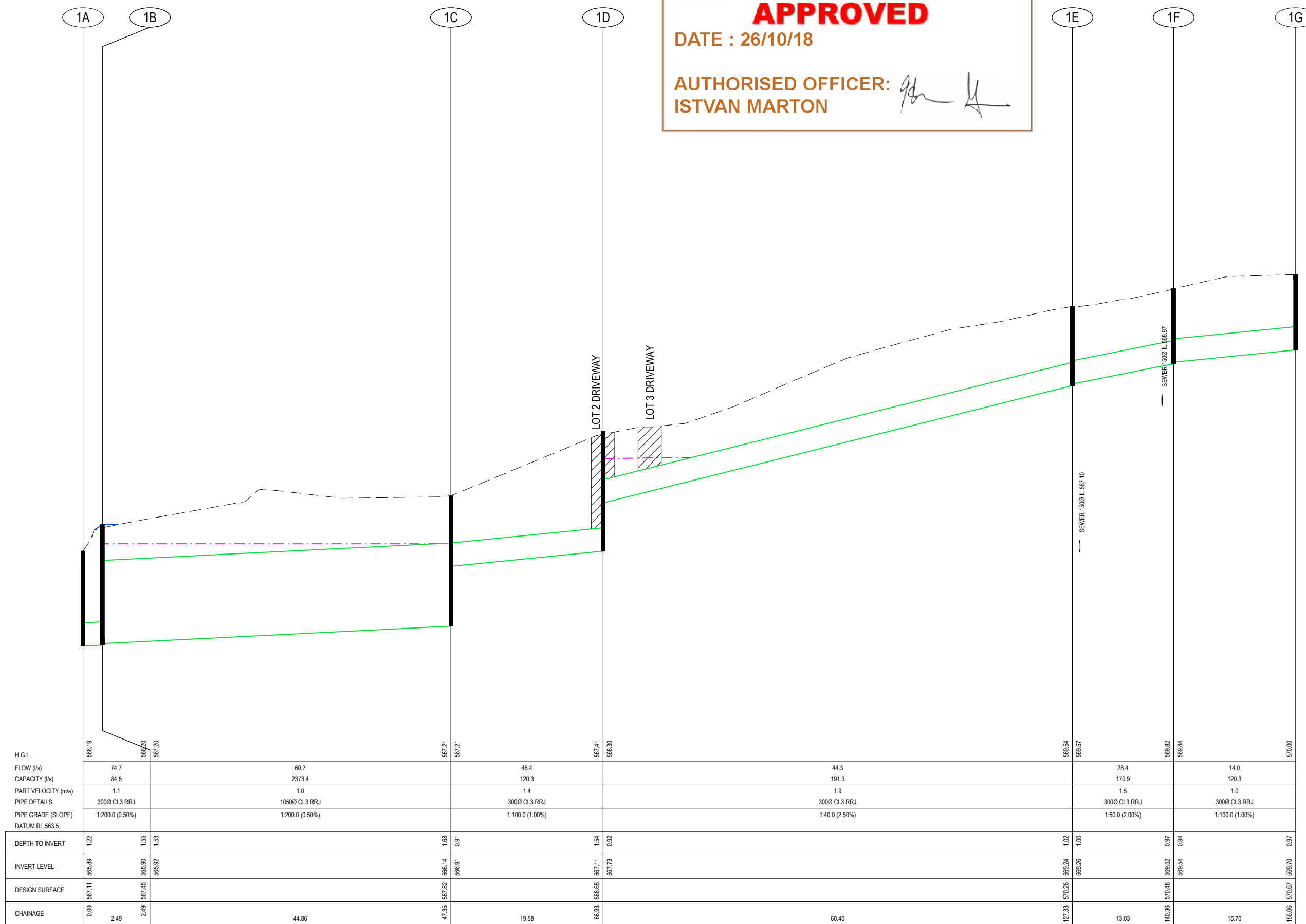
DATE : 26/10/18

AUTHORISED OFFICER: *[Signature]*  
ISTVAN MARTON

**NOTE:**

 DENOTES 3% CEMENT STABILISED FULL DEPTH 20mm CLASS 3 BACKFILL

 DENOTES FULL DEPTH 20mm CLASS 4 BACKFILL



H.G.L.	566.19	566.20	567.20	567.21	567.21	567.41	568.30	569.54	569.57	569.82	569.84	570.00
FLOW (l/s)	74.7			60.7			46.4	44.3		28.4		14.0
CAPACITY (l/s)	84.5			2373.4			120.3	191.3		170.9		120.3
PART VELOCITY (m/s)	1.1			1.0			1.4	1.9		1.5		1.0
PIPE DETAILS	3000 CL3 RRJ			10500 CL3 RRJ			3000 CL3 RRJ	3000 CL3 RRJ		3000 CL3 RRJ		3000 CL3 RRJ
PIPE GRADE (SLOPE)	1:200.0 (0.50%)			1:200.0 (0.50%)			1:100.0 (1.00%)	1:40.0 (2.50%)		1:50.0 (2.00%)		1:100.0 (1.00%)
DATUM RL 563.5												
DEPTH TO INVERT	1.22	1.55	1.53	1.68	0.91	1.54	0.92	1.02	1.00	0.97	0.94	0.97
INVERT LEVEL	565.89	565.90	565.92	566.14	566.91	567.11	567.73	569.24	569.26	569.52	569.54	569.70
DESIGN SURFACE	567.11	567.45		567.82		568.65		570.26		570.48		570.67
CHAINAGE	0.00	2.49		47.35		66.93		127.33		140.36		156.06

**PRELIMINARY PLAN ONLY**

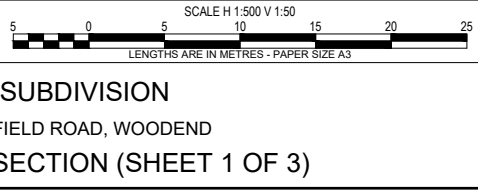
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Principal WOODEND PROJECTS PTY LTD

12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
DRAINAGE LONG SECTION (SHEET 1 OF 3)





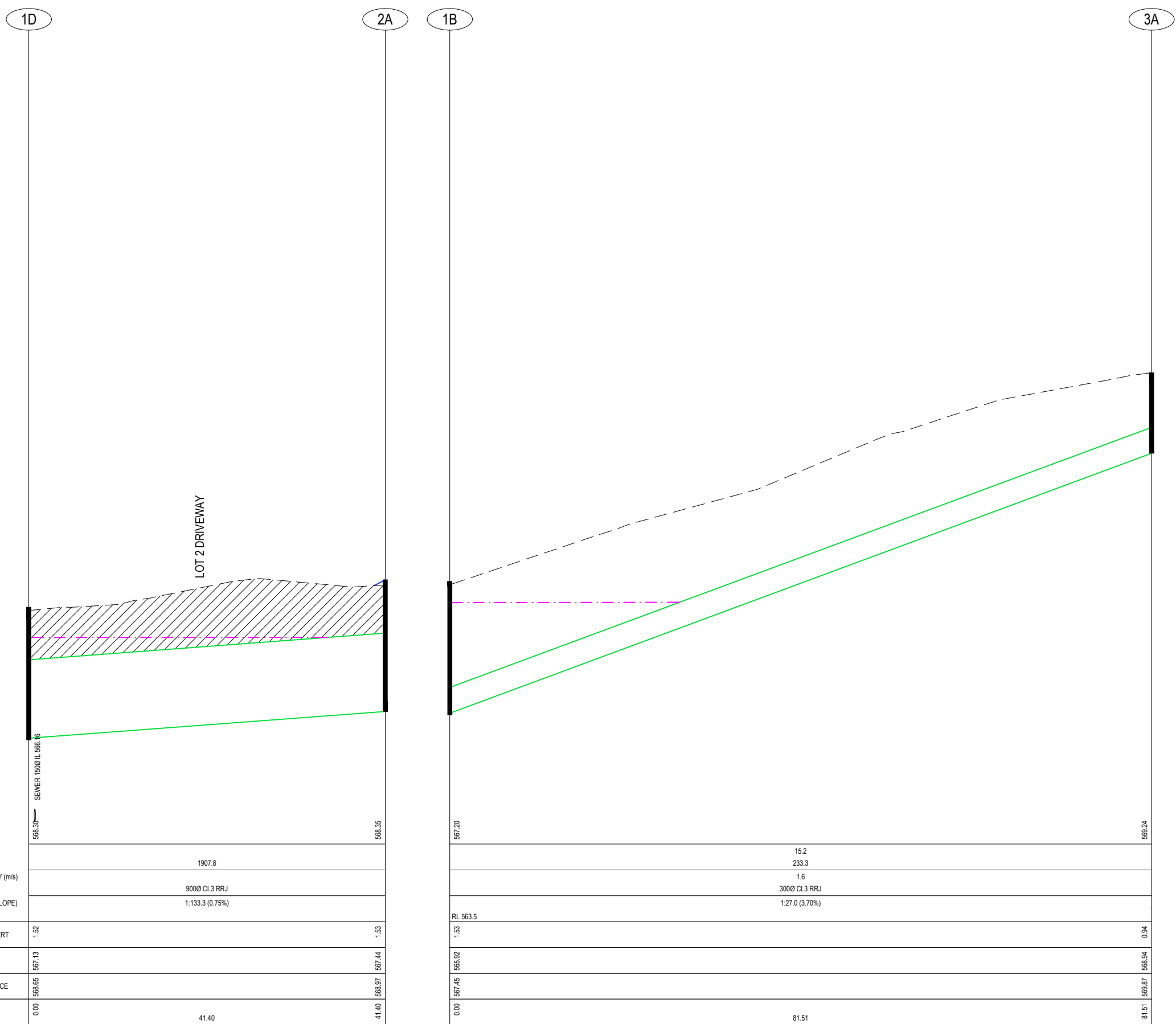
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PLN/2017/462  
SHT 14 of 17 REV D  
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1139001-R14

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 ENGINEERING CIVIL CURRENT DESIGN 1139001 ENG PLANS R&D REV.DWG

**NOTE:**

-  DENOTES 3% CEMENT STABILISED FULL DEPTH 20mm CLASS 3 BACKFILL
-  DENOTES FULL DEPTH 20mm CLASS 4 BACKFILL



H.G.L.	568.30	568.35
FLOW (l/s)		
CAPACITY (l/s)	1907.8	
PART VELOCITY (m/s)		
PIPE DETAILS	9000 CL3 RRJ	
PIPE GRADE (SLOPE)	1:133.3 (0.75%)	
DATUM RL 565		
DEPTH TO INVERT	1.52	1.53
INVERT LEVEL	567.13	567.44
DESIGN SURFACE	568.65	568.97
CHAINAGE	0.00	41.40

	15.2	
	233.3	
	1.6	
	3000 CL3 RRJ	
	1:27.0 (3.70%)	
RL 563.5		
1.53		0.94
565.92		568.94
567.45		569.87
0.00	81.51	81.51



**Macedon Ranges**  
Shire Council

APPROVED

DATE : 26/10/18

AUTHORISED OFFICER: *Istvan Marton*  
**ISTVAN MARTON**

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B			BM ME	03/08/18
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**Tomkinson Group**

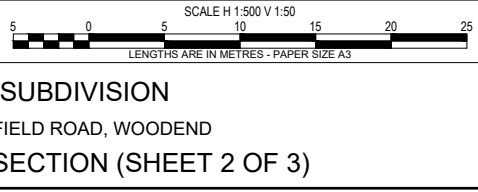
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Principal WOODEND PROJECTS PTY LTD

**12 LOT SUBDIVISION**  
65 OLD LANCEFIELD ROAD, WOODEND  
**DRAINAGE LONG SECTION (SHEET 2 OF 3)**



Municipality & Ref: MACEDON RANGES SHIRE COUNCIL PLN/2017/462	
SHT 15 of 17	REV D
Drawing No. 1139001-R15	

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 DATE: 08/10/2018 FILE: PLN

4A 4B 4C 4D

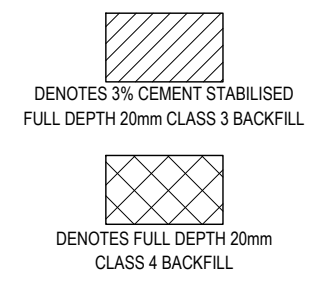
HONEYSUCKLE LANE

H.G.L.	567.40	567.73	567.75	567.86	567.88	569.55
FLOW (l/s)	27.1	27.3				15.4
CAPACITY (l/s)	147.1	123.9				209.8
PART VELOCITY (m/s)	1.4	1.2				1.5
PIPE DETAILS	300Ø CL3 RRJ	300Ø CL3 RRJ				300Ø CL3 RRJ
PIPE GRADE (SLOPE)	1:67.3 (1.49%)	1:94.3 (1.06%)				1:33.3 (3.00%)
DATUM RL 565						
DEPTH TO INVERT	0.48	0.96	0.94	0.70	0.68	0.95
INVERT LEVEL	567.10	567.43	567.45	567.56	567.88	569.25
DESIGN SURFACE	567.58	568.39		568.26		570.21
CHAINAGE	0.00	22.20	10.00	32.20		55.88

PIT SCHEDULE

Pit No.	Pit Type	Pit Dimensions	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Comment
		(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	
1A	EXI JP	450x450			300	565.89	1.22	567.11	
1B	JP	1500x1500	300	565.90	1050	565.92	1.55	567.45	
					300	565.92			
1C	JP	1500x750	1050	566.14	300	566.91	1.68	567.82	REFER TO SHEET 1139001-R18 FOR DETAILS
1D	JP	1200x1350	300	567.11	900	567.13	1.54	568.65	CLASS 'D' TRAFFICABLE LID. REFER TO SHEET 1139001-R18 FOR DETAILS
					300	567.73			
1E	JP	450x450	300	569.24	300	569.26	1.02	570.26	
1F	JP	450x450	300	569.52	300	569.54	0.97	570.48	
1G	JP	450x450	300	569.70			0.97	570.67	
2A	JP	1200x600	900	567.44			1.53	568.97	CLASS 'D' TRAFFICABLE LID
3A	JP	450x450	300	568.94			0.94	569.87	
4A	HW	300			300	567.100	0.48	567.58	DRIVABLE CULVERT HEADWALL, REFER TO MRSC SD-028
4B	JP	600x900	300	567.43	300	567.450	0.96	568.39	REFER TO MRSC SD-014
4C	GJP	600X900	300	567.56	300	567.580	0.70	568.26	CLASS 'D' BICYCLE SAFE GRATED LID WITHIN KERB, REFER TO MRSC SD-013
4D	SEP	900x600	300	569.25			0.95	570.21	REFER TO MRSC SD-012

NOTE:



**Macedon Ranges**  
Shire Council

**APPROVED**

DATE : 26/10/18

AUTHORISED OFFICER: *Istvan Marton*  
**ISTVAN MARTON**

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C	AMENDMENTS AS PER COUNCIL COMMENTS	BM	NB		07/09/18
B	UPDATED PAVEMENT DETAILS	BM	ME		03/08/18
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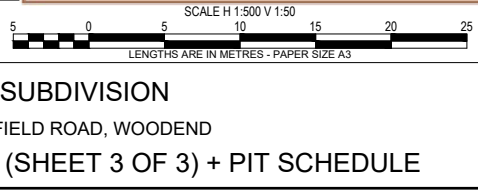
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12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
DRAINAGE LONG SECTION (SHEET 3 OF 3) + PIT SCHEDULE



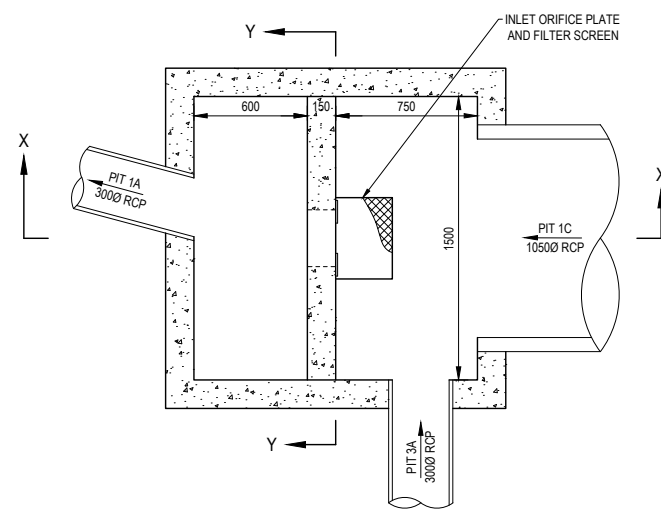
Municipality & Ref:  
MACEDON RANGES SHIRE COUNCIL  
PLN/2017/462

SHT 16 of 17 REV D

Drawing No.  
1139001-R16

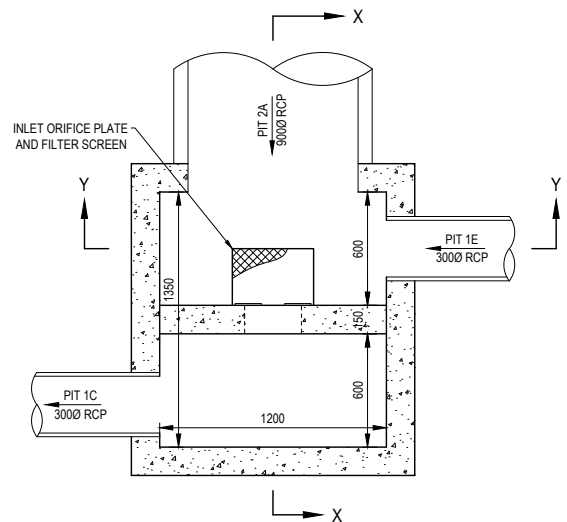
THE RESPONSIBILITY OF THE USER TO CONFIRM THAT THIS IS A CURRENT COPY AND SUITABLE FOR THE PROPOSED USE - THIS SHEET MUST BE READ IN CONJUNCTION WITH ALL SHEETS OF THIS SET AND ANY ACCOMPANYING DOCUMENTS





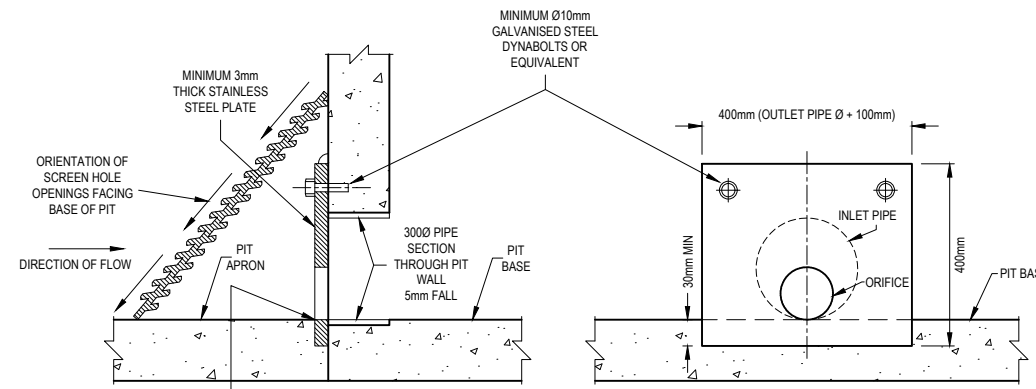
**JUNCTION PIT 1B - TYPICAL DETAIL**

DIEMENSIONS IN mm  
NOT TO SCALE



**JUNCTION PIT 1D - TYPICAL DETAIL**

DIEMENSIONS IN mm  
NOT TO SCALE



**ORIFICE PLATE & SCREEN MESH**

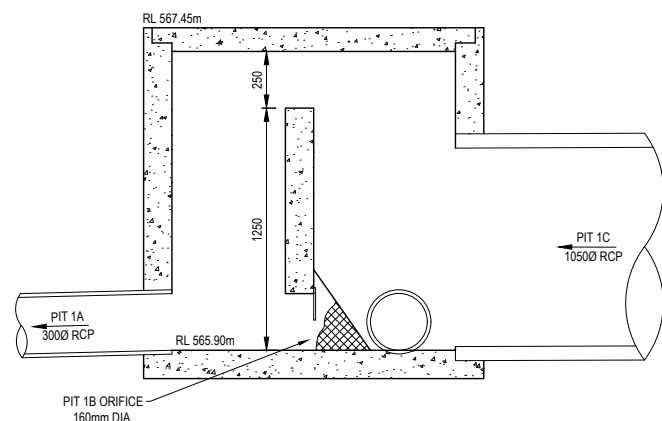
**SECTION A-A**

NOT TO SCALE

**ORIFICE PLATE & SCREEN MESH**

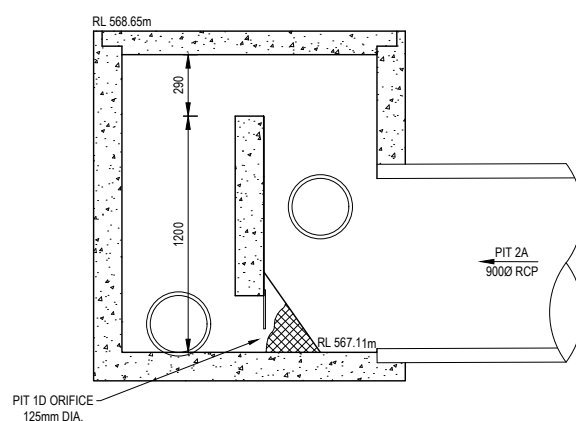
**SECTION B-B**

NOT TO SCALE



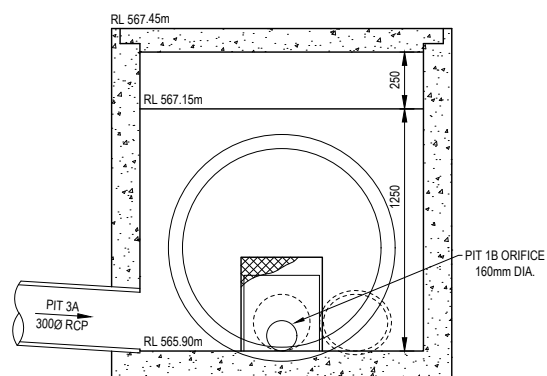
**JUNCTION PIT 1B - SECTION X-X**

DIEMENSIONS IN mm  
NOT TO SCALE



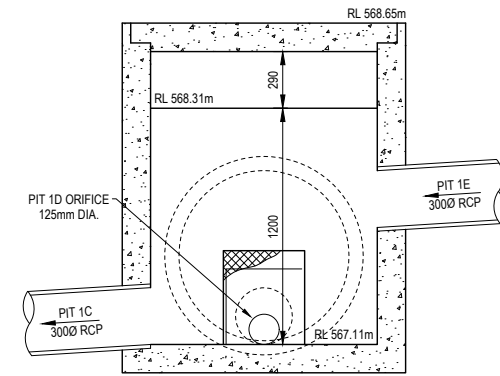
**JUNCTION PIT 1D - SECTION X-X**

DIEMENSIONS IN mm  
NOT TO SCALE



**JUNCTION PIT 1B - SECTION Y-Y**

DIEMENSIONS IN mm  
NOT TO SCALE

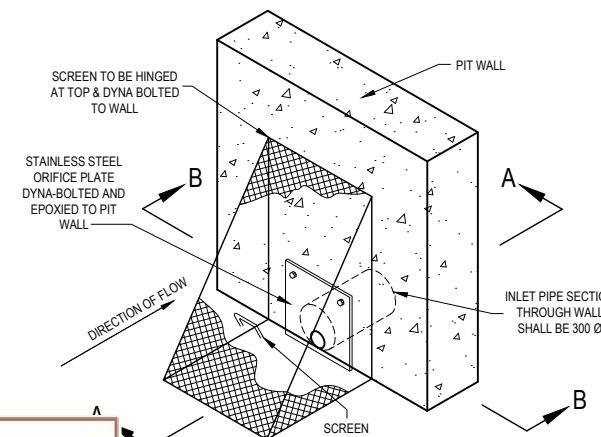


**JUNCTION PIT 1D - SECTION Y-Y**

DIEMENSIONS IN mm  
NOT TO SCALE

FILTER SCREEN MATERIAL SELECTION		
ORIFICE SIZE	PRODUCT	SCREEN SIZE
PIT 1D - 125mm Ø	SANKEY MAXI-MESH RH3030 OR EQUIVALENT	MIN 50 X ORIFICE AREA
PIT 1B - 160mm Ø	WELDLOK A40/203	MIN 20 X ORIFICE AREA

CONSTRUCTION METHOD
1. POUR PIT WALL IN-SITU
2. ATTACH ORIFICE PLATE TO PIT WALL WITH TOP TWO DYNABOLTS
3. POUR AND SHAPE PIT BASE TO SUIT



**ORIFICE PLATE & SCREEN MESH**

**ELEVATION DETAIL**

NOT TO SCALE

Macedon Ranges  
Shire Council

**APPROVED**

DATE : 26/10/18

AUTHORISED OFFICER:  
ISTVAN MARTON

**PRELIMINARY PLAN ONLY**

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REV	DES	DWG	CHK	DATE
D		BM		08/10/18
C		BM	NB	07/09/18
B		BM	ME	03/08/18
A		BM	BM	30/07/18

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12 LOT SUBDIVISION  
65 OLD LANCEFIELD ROAD, WOODEND  
STORMWATER DETAILS

Municipality & Ref:  
MACEDON RANGES  
SHIRE COUNCIL  
PLN/2017/462

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Drawing No.  
1139001-R17

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PLOT DATE: 06/10/2018 FILE: P:\JOB DATA\1139001\1139001\_CIVIL\CD\CURRENT DESIGN\1139001\_ENG\_PLANS\18-RD-REV.DWG