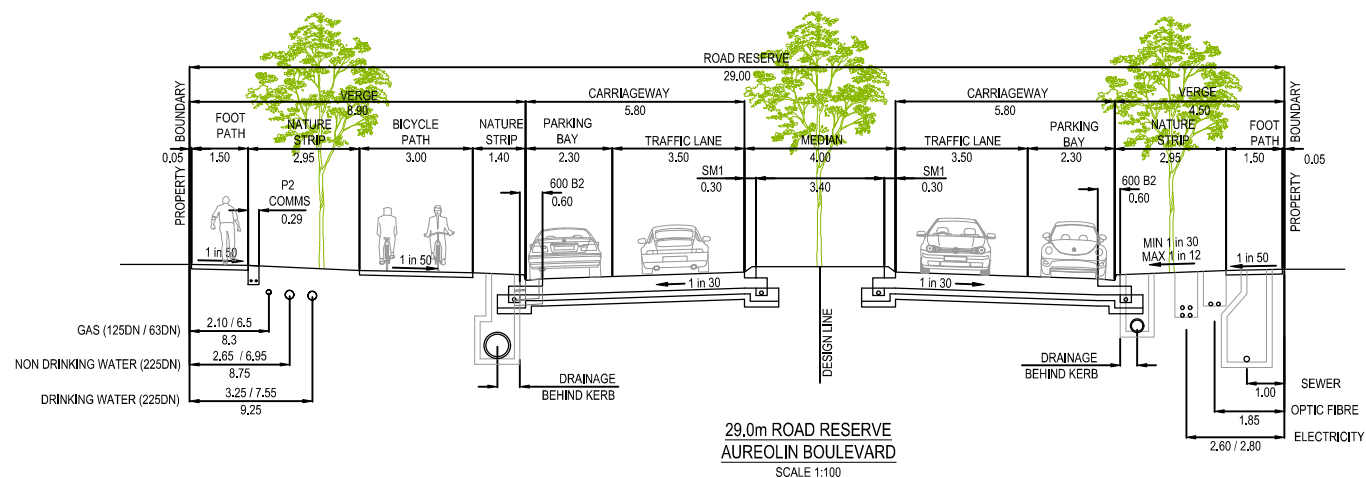
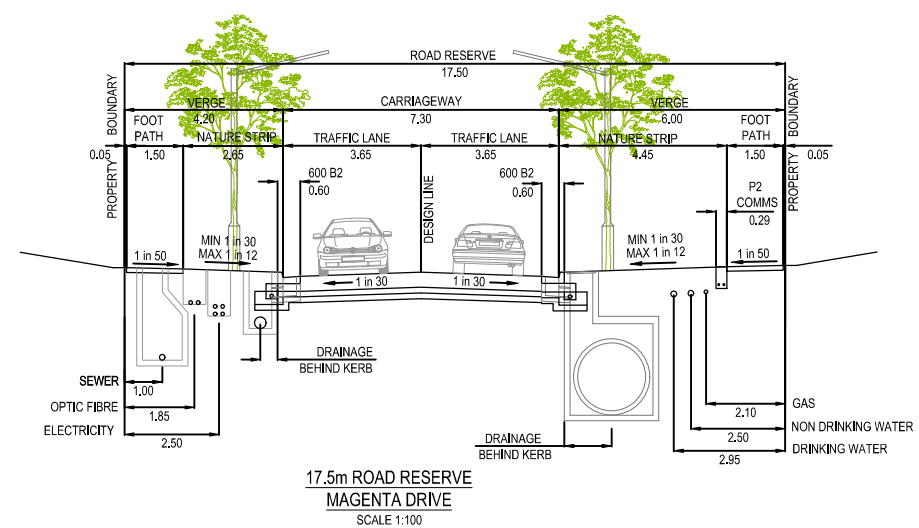
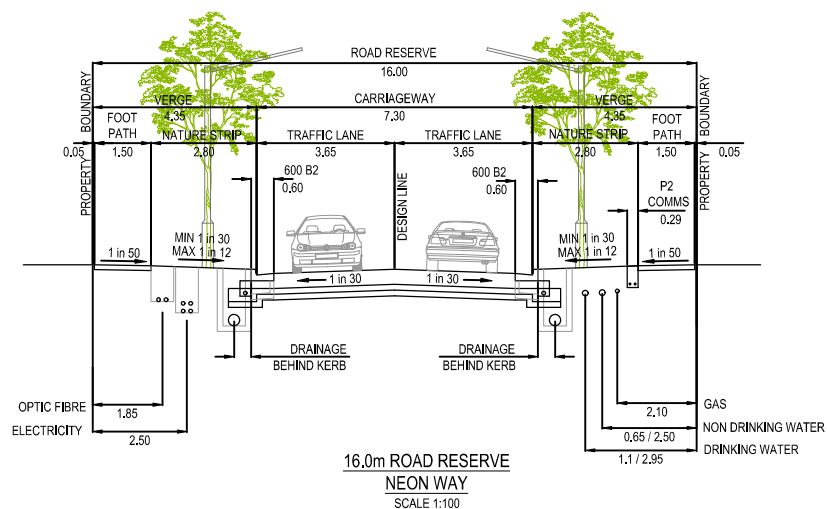
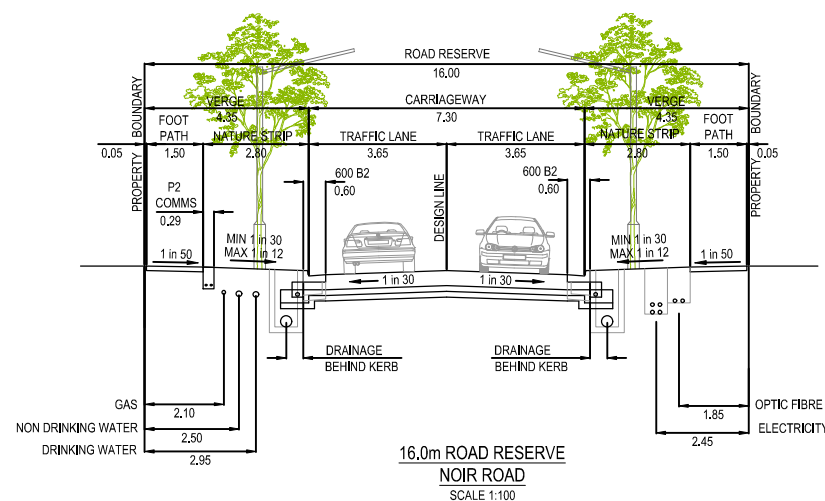


REVISION	ORIGINAL SIZE	A1
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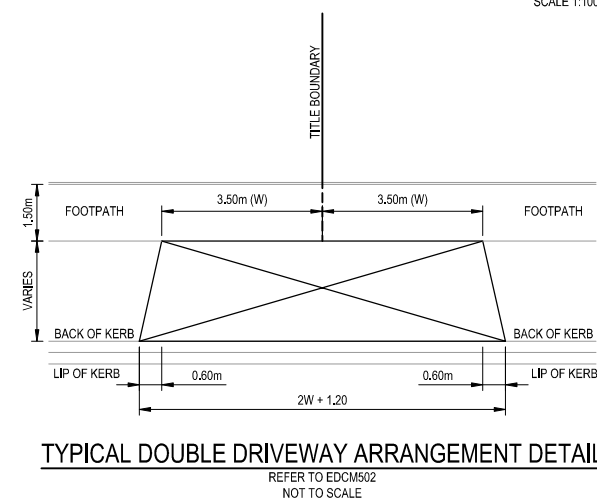
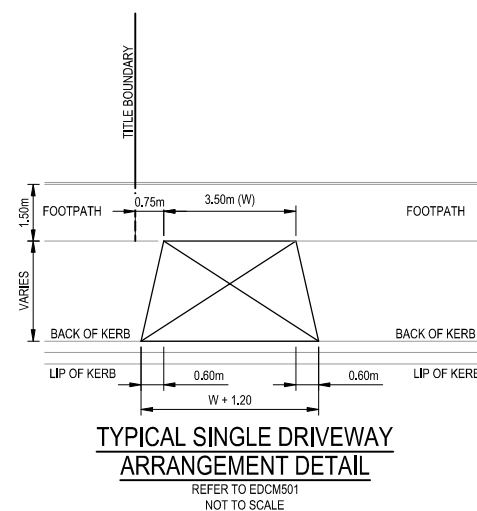
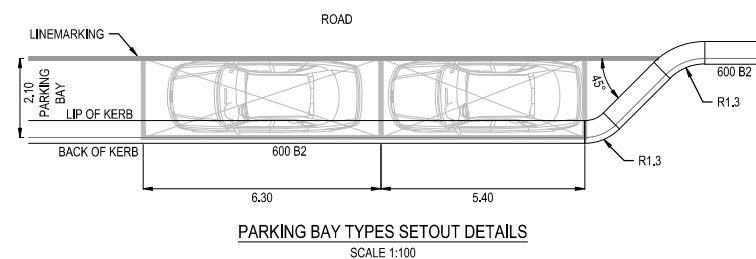
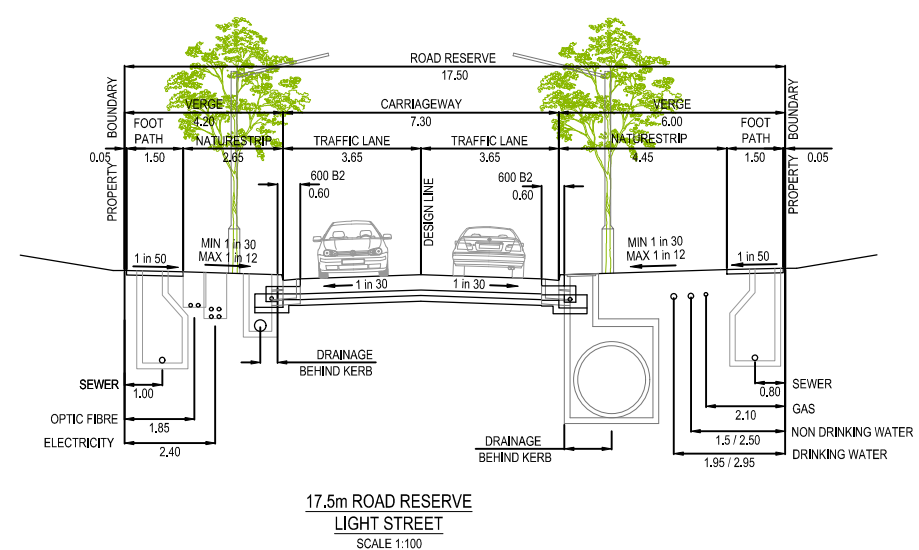


CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS838325X**

H.66
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED



1	26.07.21	MHN	<i>H.66</i>	UPDATED DRIVEWAY DETAILS AND REFERENCE TO EDCM
0	07.06.21	MHN	KCL	B. J.-MONCK
				ISSUED FOR CONSTRUCTION
REV	DATE	DRN	CKD	APP
				AMENDMENT

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H 1:100
SCALE @ A1

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E melbourne@cosweb.com.au

CLIENT
JINDING

APPROVED
H.66
28.07.21

DESIGNED
C&W

SCALE
AS SHOWN

PROJECT
THE PATCH - STAGE 1

TITLE
TYPICAL ROAD CROSS SECTIONS

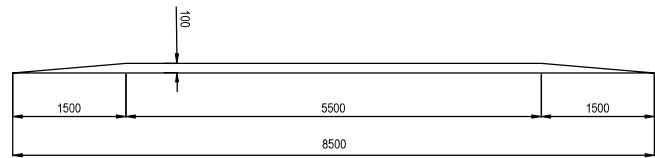
MUNICIPALITY
CITY OF WHITTLESEA

PPNo
717154

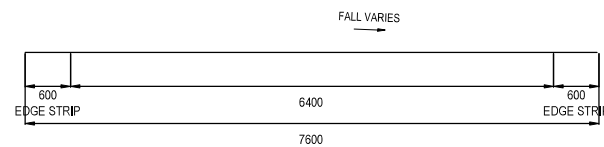
DRAWING No
3201-01-002

REVISION
1

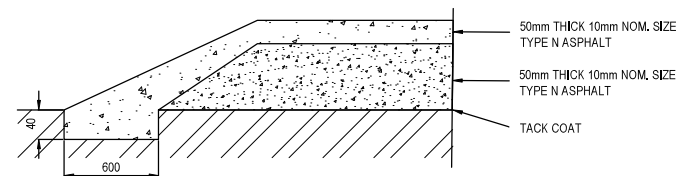
A1
ORIGINAL SIZE



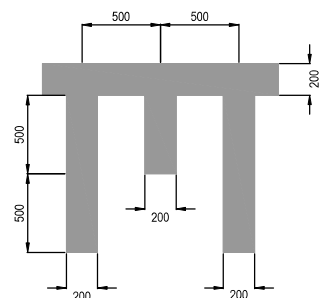
SECTION B-B



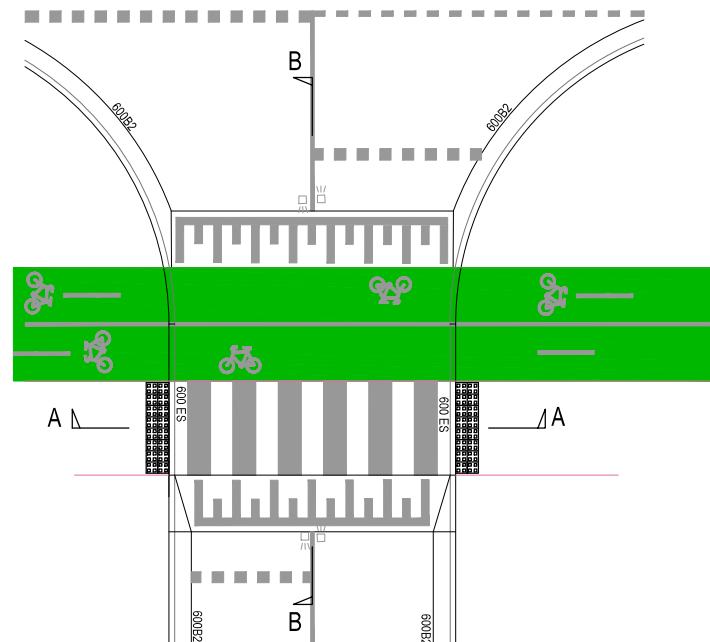
SECTION A-A



RAISED PEDESTRIAN CROSSING PROFILE
(REFER TO CITY OF WHITTLESEA STD DWG, SD621)



MARKING DETAIL



CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS838325X

HBL
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED

0	07.06.21	MHN	<i>R. Paul</i>	ISSUED FOR CONSTRUCTION
P1	30.09.20	AN	-	CD
REV	DATE	DRN	OKD	APP
				AMENDMENT

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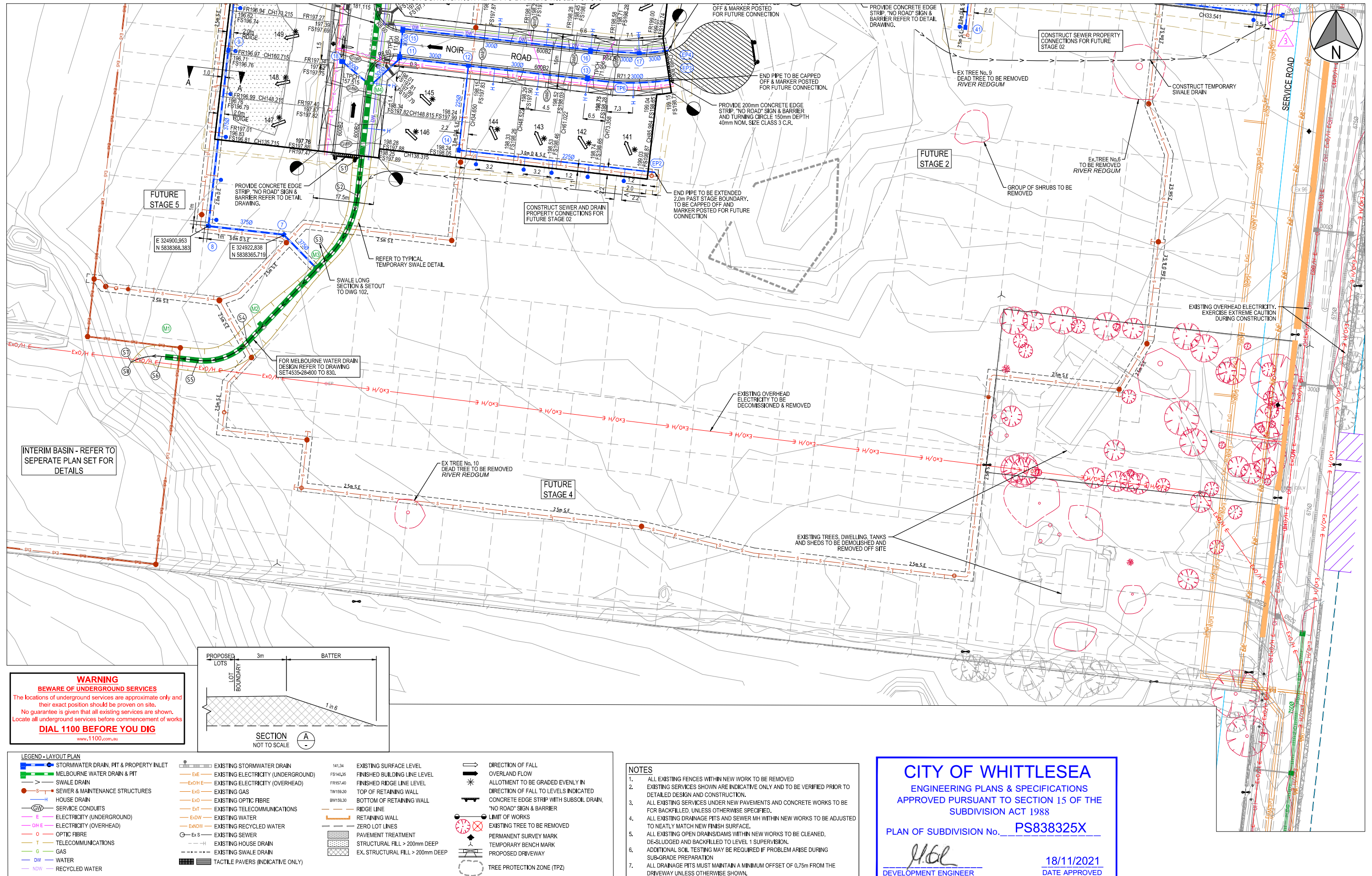
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Melbourne VIC 3004
E melbourne@cosweb.com.au


CLIENT	JINDING
APPROVED	08.06.21 <i>Emel</i>
DESIGNED	C&W
SCALE	AS SHOWN

PROJECT	THE PATCH - STAGE 1
TITLE	RAISED PEDESTRIAN CROSSING DETAIL
MUNICIPALITY	CITY OF WHITTLESEA
PP No.	717154
DRAWING No.	3201-01-004
REVISION	0

ORIGINAL
SIZE
A1

FOR CONTINUATION REFER TO DRAWING No. 3201-01-010



3	16.11.21	KCL		AMENDED DETAILS OF CONNECTION TO EXISTING SWD	
2	03.11.21	KCL	B. J-MONCK	REVISED OPEN SWALE ALIGNMENT FOR MAIN DRAIN AMENDED LOCATION	
1	26.07.21	KCL	B. J-MONCK	ISSUED FOR CONSTRUCTION	
0	26.07.21	MHN	B. J-MONCK	ISSUED FOR CONSTRUCTION	
REV	DATE	DRN	CKD	APP	AMENDMENT

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FOR CONSTRUCTION

H 1500
SCALE @ A1

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CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS838325X**
18/11/2021
DATE APPROVED

CLIENT
JINDING

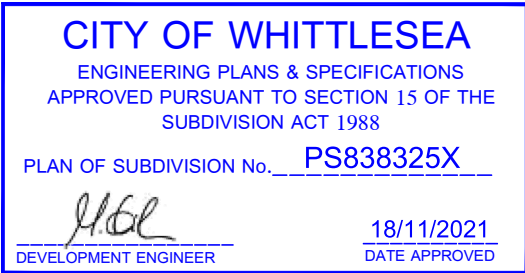
PROJECT
THE PATCH - STAGE 1
TITLE
LAYOUT PLAN (SHEET 2 OF 2)

MUNICIPALITY
CITY OF WHITTLESEA

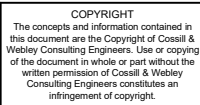
DRAWING No.
3201-01-011

REVISION
3

ORIGINAL SIZE
A1



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CLIENT		 JINDING	
APPROVED		DESIGNED	
		C & W	
08.06.21		SCALE	
		AS SHOWN	

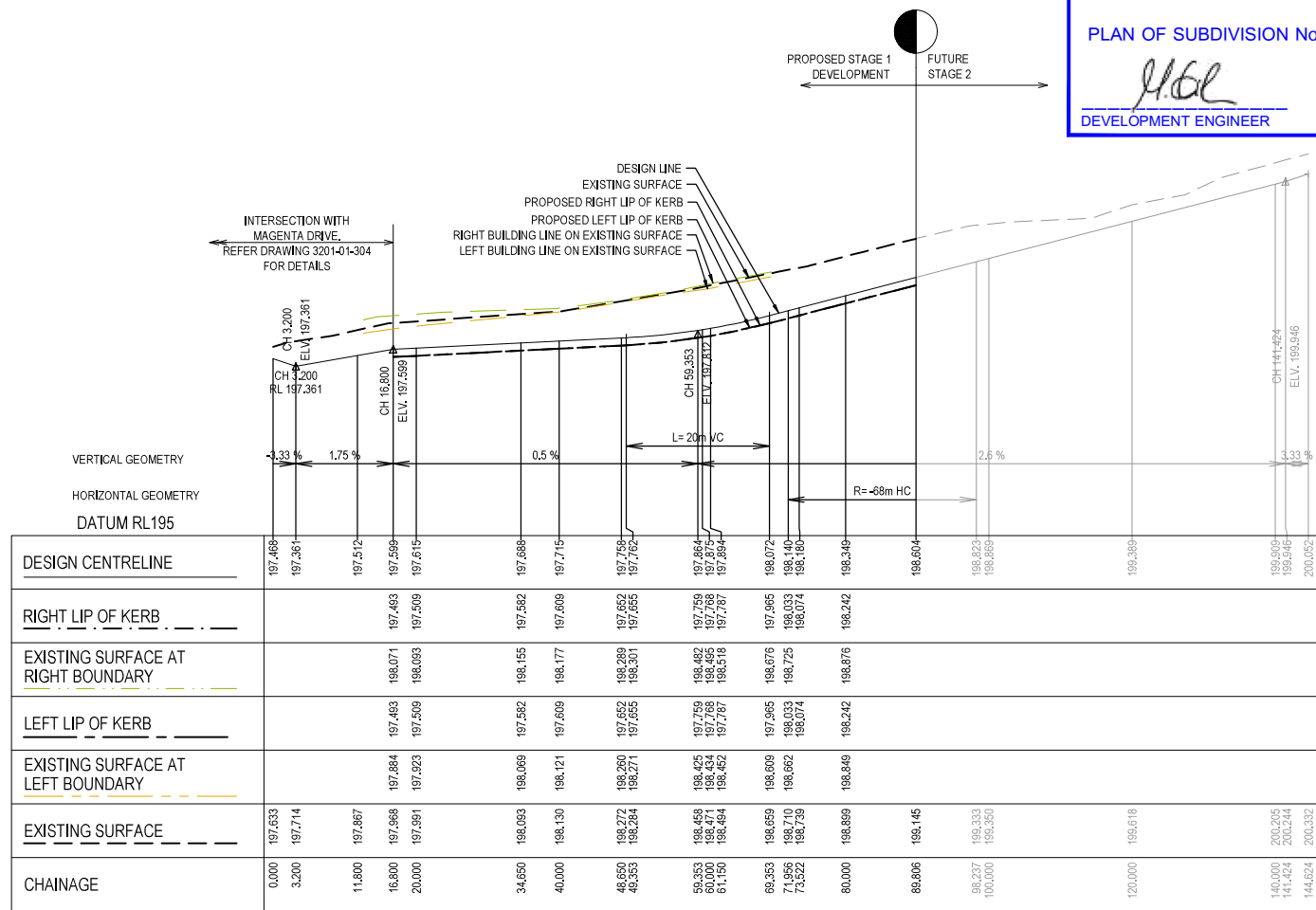
ORIGINAL
SIZE

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE.
REFER GEOTECH REPORT SECTION 7.1.3 FOR SPECIFICATION.
FILL SHALL BE COMPACTED TO DRY DENSITY RATIO OF NOT LESS THAN 98% STANDRAD WITHIN THE TOP 300mm OF THE FINISHED SUBGRADE LEVEL.

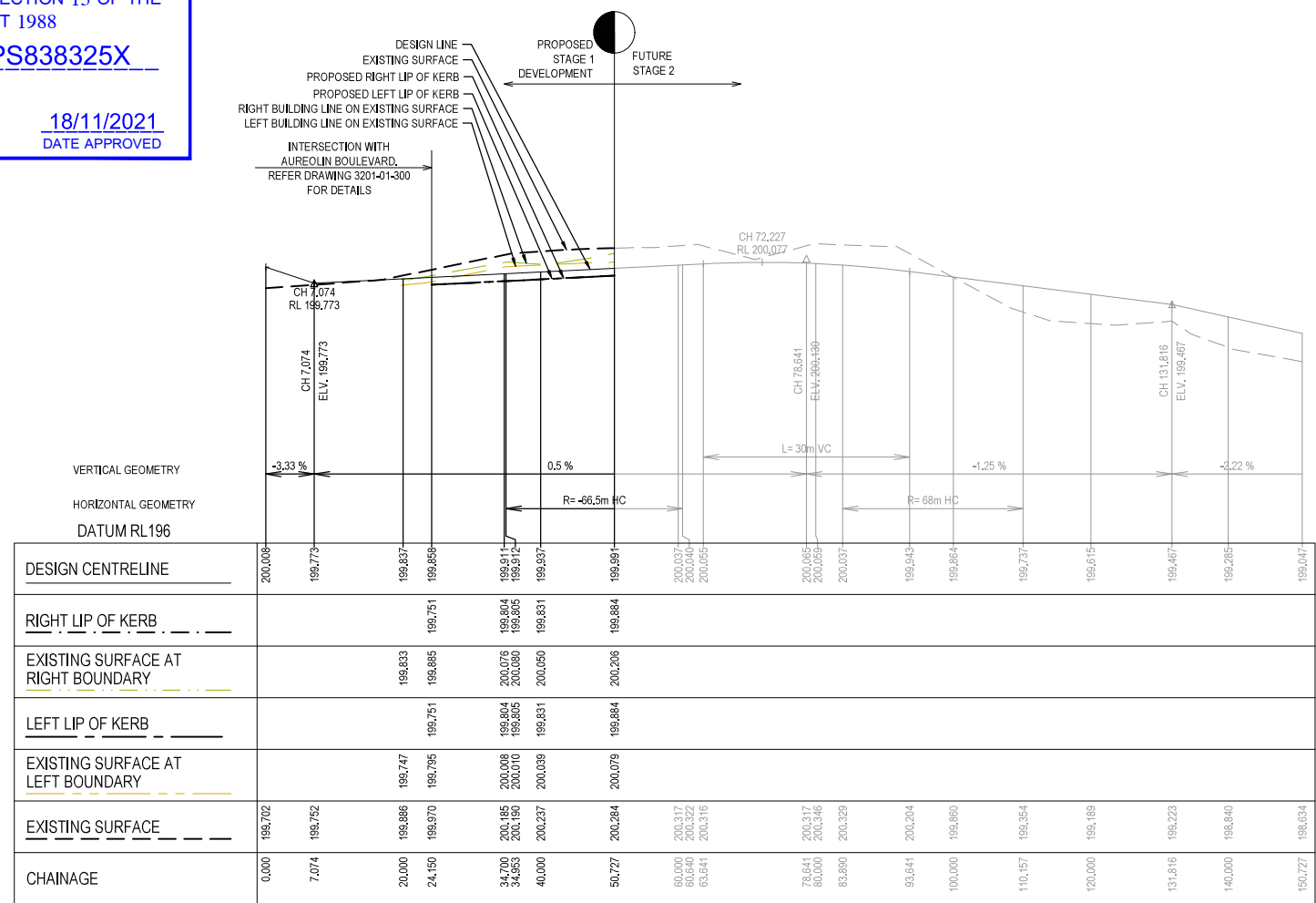
LEGEND
--- EXISTING SURFACE
— DESIGN SURFACE

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS838325X**
H. G. L.
DEVELOPMENT ENGINEER
18/11/2021
DATE APPROVED



NOIR ROAD - LONGITUDINAL SECTION



NEON WAY - LONGITUDINAL SECTION

0	07.06.21	MHN	<i>R</i>	<i>gmut</i>	ISSUED FOR CONSTRUCTION
P2	04.02.21	JM	-	JM	COUNCIL COMMENTS
P1	30.09.20	AN	-	CD	ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	CKD	APP	AMENDMENT

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H 1:500
SCALE @ A1
V 1:50

0 10 20 30m
0 1 2 3m

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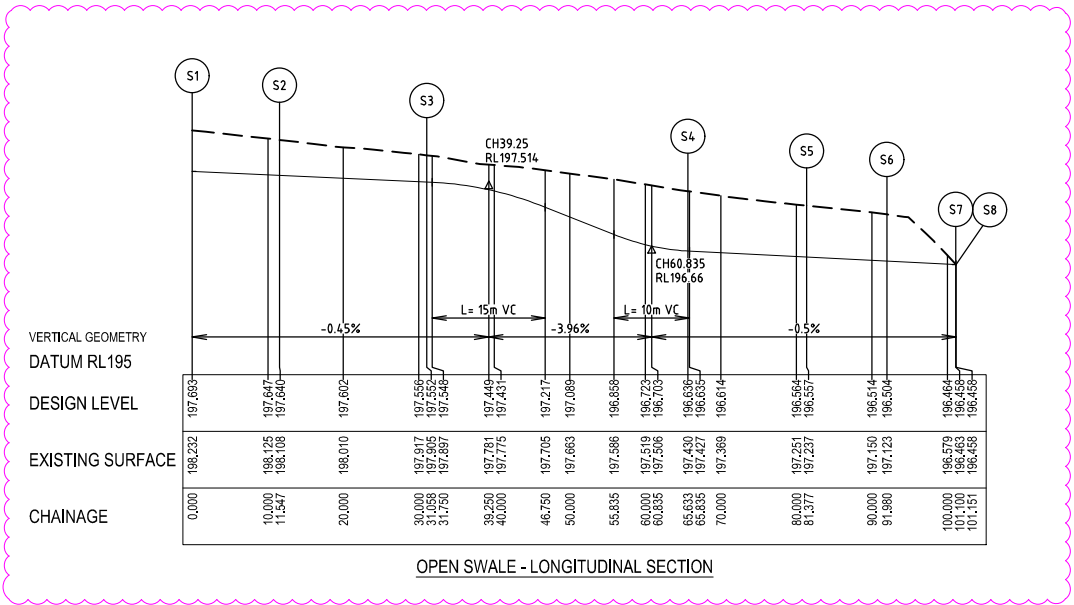
CLIENT
JINDING
APPROVED
[Signature] 08.06.21
DESIGNED
C&W
SCALE
AS SHOWN

PROJECT
THE PATCH - STAGE 1
TITLE
ROAD LONGITUDINAL SECTION (NOIR ROAD & NEON WAY)
CITY OF WHITTLESEA
MUNICIPALITY
717154
DRAWING No.
3201-01-101
REVISION
0

A1
ORIGINAL SIZE

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE.
REFER GEOTECH REPORT SECTION 7.1.3 FOR SPECIFICATION.
FILL SHALL BE COMPACTED TO DRY DENSITY RATIO OF NOT LESS THAN 98% STANDRAD WITHIN THE TOP 300mm OF THE FINISHED SUBGRADE LEVEL.

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE



SWALE SETOUT TABLE

Point no	Easting	Northing	RL
S1	324945.356	5838388.633	197.693
S2	324944.054	5838377.159	197.640
S3	324935.968	5838359.773	197.552
S4	324912.209	5838334.653	196.636
S5	324897.944	5838329.444	196.557
S6	324887.408	5838330.638	196.504
S7	324878.591	5838328.932	196.458
S8	324878.547	5838328.908	196.458

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
S2 - S3	36.931	30.269	19.510	1.558	1.166	4.856	4.731	4.878	197.596
S4 - S5	53.060	17.000	15.743	1.790	1.337	3.901	3.693	3.936	196.596
S6 - S7	34.838	15.000	9.120	0.688	0.515	2.271	2.219	2.280	196.481

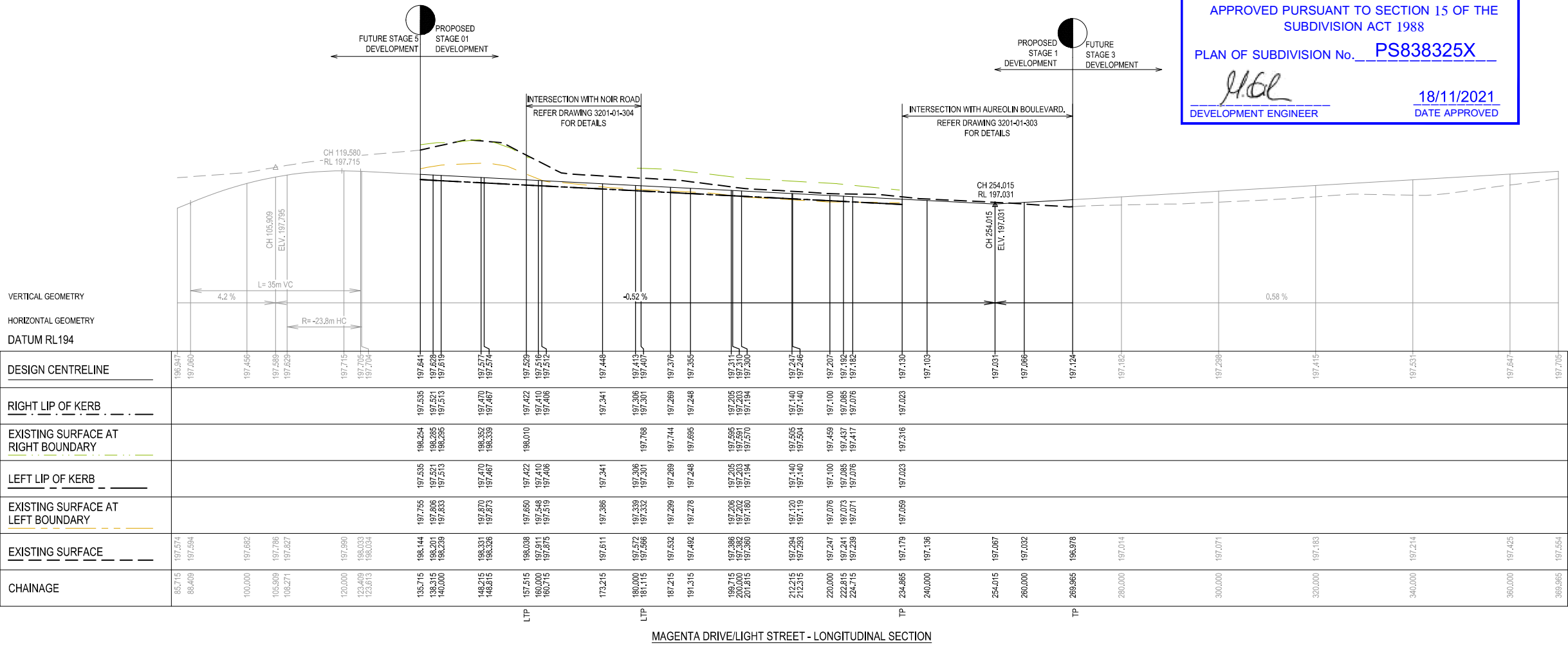
CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS838325X

H. G. L.
DEVELOPMENT ENGINEER

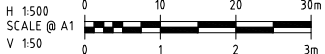
18/11/2021
DATE APPROVED



1	29.10.21	KCL	<i>B. J. Monck</i>	ADDED SWALE LS & SETOUT
0	26.07.21	MHN	KCL	B. J. MONCK
				ISSUED FOR CONSTRUCTION
REV	DATE	DRN	CKD	APP
				AMENDMENT

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CLIENT
JINDING

APPROVED
B. J. Monck

DESIGNED
C & W

SCALE
AS SHOWN

PROJECT
THE PATCH - STAGE 1

TITLE
ROAD LS (MAGENTA DR & LIGHT ST);
SWALE LS & SETOUT

MUNICIPALITY
CITY OF WHITTLESEA

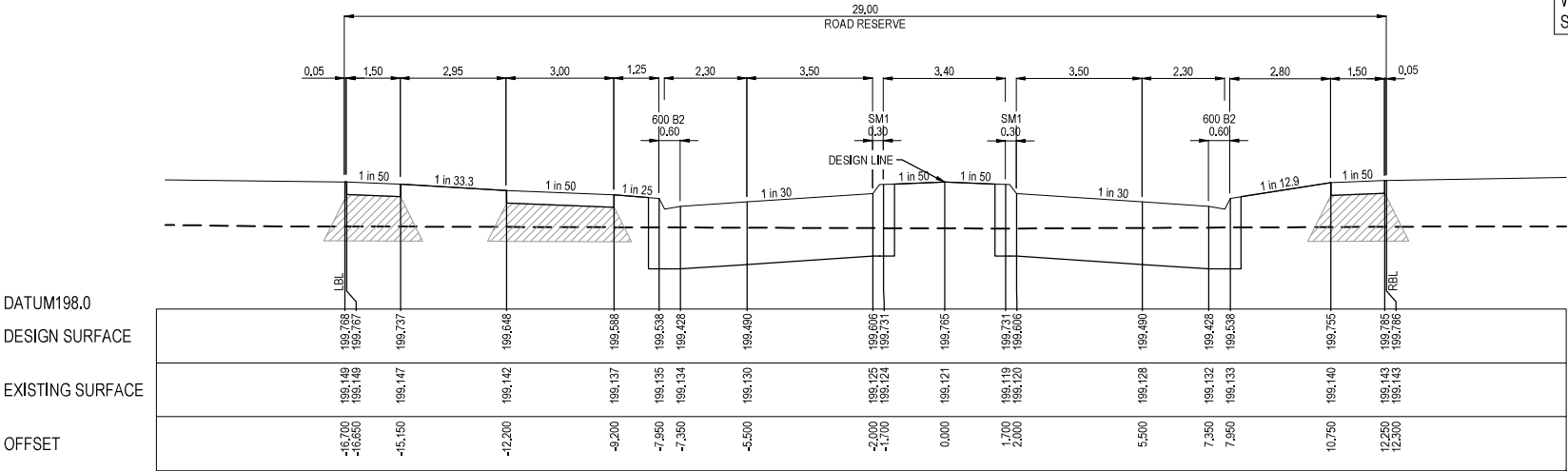
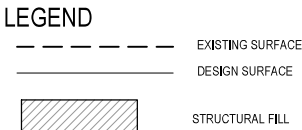
PP No.
717154

DRAWING No.
3201-01-102

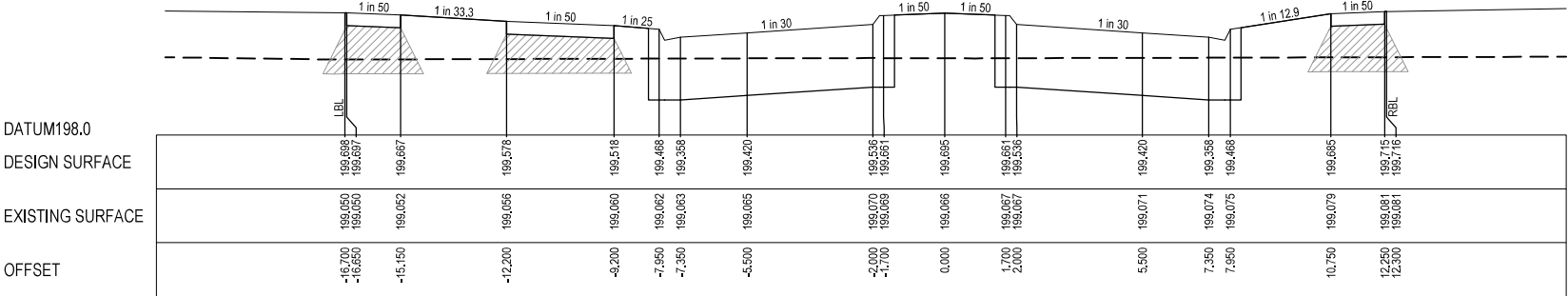
REVISION
1

ORIGINAL SIZE
A1

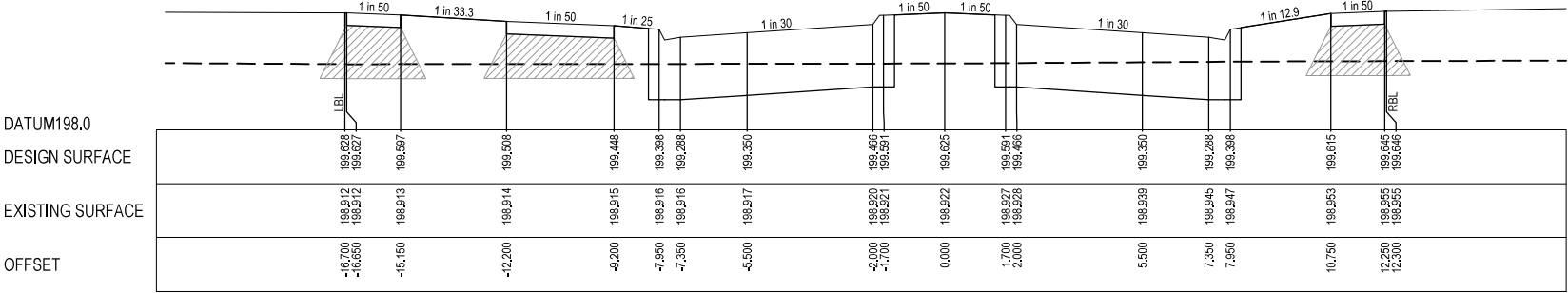
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT SECTION 7.1.3 FOR SPECIFICATION. FILL SHALL BE COMPACTED TO DRY DENSITY RATIO OF NOT LESS THAN 98% STANDRAD WITHIN THE TOP 300mm OF THE FINISHED SUBGRADE LEVEL.



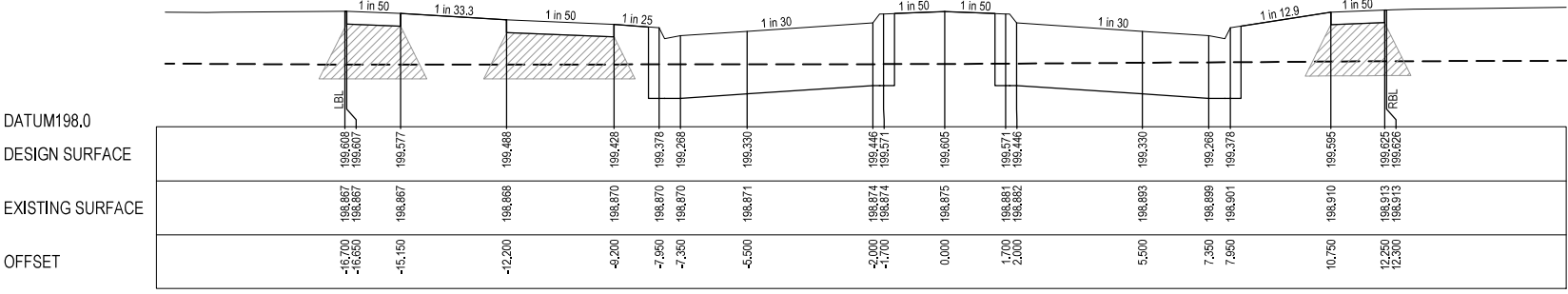
CH 142.291



CH 128.291



CH 114.291



TPCH 110.286

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

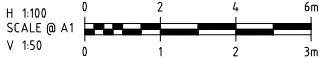
PLAN OF SUBDIVISION No. PS838325X

H.62
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED

0	07.06.21	MHN	<i>H.62</i>	<i>Brace</i>	ISSUED FOR CONSTRUCTION
P3	24.02.21	JM	-	JM	STRUCTURAL FILL NOTE AMENDED
P2	04.02.21	JM	-	JM	COUNCIL COMMENTS
P1	30.09.20	AN	-	CD	ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	OKD	APP	AMENDMENT

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E melbourne@cosweb.com.au

CLIENT
JINDING

APPROVED
H.62 08.06.21

DESIGNED
C&W

SCALE
AS SHOWN

PROJECT
THE PATCH - STAGE 1

TITLE
ROAD CROSS SECTIONS AUREOLIN
BOULEVARD (SHEET 1 OF 5)

MUNICIPALITY
CITY OF WHITTLESEA


PP No.
717154

DRAWING No.
3201-01-200

REVISION
0

ORIGINAL
SIZE
A1

LEGEND

---	EXISTING SURFACE
—	DESIGN SURFACE
	STRUCTURAL FILL



H.62 18/11/2021
DEVELOPMENT ENGINEER DATE APPROVED

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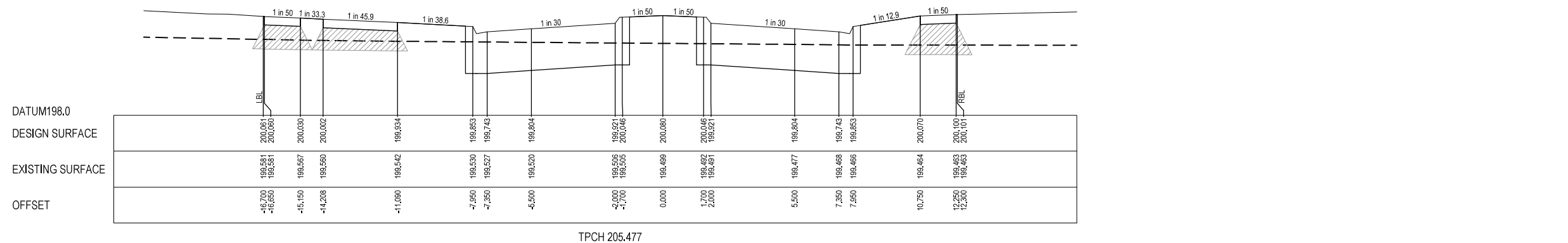
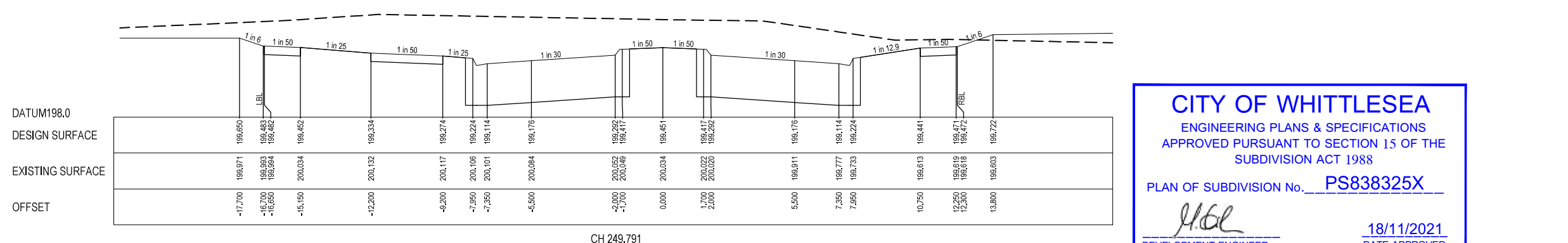
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CLIENT		 JINDING	
APPROVED	08.06.21	DESIGNED	C&W
		SCALE	AS SHOWN

PROJECT	THE PATCH - STAGE 1		
TITLE	ROAD CROSS SECTIONS AUREOLIN		
	BOULEVARD (SHEET 2 OF 5)		
MUNICIPALITY	CITY OF WHITTLESEA		
PP No.	717154	DRAWING No.	3201-01-201
			REVISION

ORIGINAL
SIZE



07.06.21					MHN	<i>BM</i>	ISSUED FOR CONSTRUCTION		<div>NOTE: THIS ENGINEERING DRAWING HAS BEEN BASED UPON DESIGNS INITIALLY DOCUMENTED BY BEVERIDGE WILLIAMS. COSSILL & WEBLEY CONSULTING ENGINEERS HAS MADE MINOR AMENDMENTS TO THIS DRAWING FROM REVISION 0 ONWARDS. PLEASE DIRECT ALL DESIGN ENQUIRIES TO COSSILL & WEBLEY</div> <div><div><div>H 1:100 SCALE @ A1 V 150</div><div><div><div>0246</div><div>012</div></div><div>6m 3m</div></div></div></div> <div><div><div><div>COPYRIGHT</div><div>The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.</div><div>This plan is not to be used for construction unless issued as revision 0 or higher</div></div><div><div><div><div>Cossill & Webley</div><div>CONSULTING ENGINEERS</div></div><div><div>Mailing Address</div><div>PO Box 33152 Melbourne VIC 3004 T (03) 8548 1560</div><div><div>Street Address</div><div>Suite 2.04, 390 St Kilda Road Melbourne VIC 3004 E melbourne@cossweb.com.au</div></div></div></div><div><div>CLIENT</div><div><div><div>JINDING</div></div></div><div><div>PROJECT</div><div>THE PATCH - STAGE 1</div><div>TITLE</div><div>ROAD CROSS SECTIONS AUREOLIN BOULEVARD (SHEET 3 OF 5)</div><div>MUNICIPALITY</div><div>CITY OF WHITTESEA</div></div><div><div>APPROVED</div><div><div><div><div>08.06.21</div></div><div><i>BM</i></div></div><div><div>DESIGNED</div><div>C&W</div></div></div><div><div>SCALE</div><div>AS SHOWN</div></div><div><div>PP No.</div><div>717154</div><div>DRAWING No.</div><div>3201-01-202</div><div>REVISION</div><div>0</div></div></div><div>ORIGINAL SIZE A1</div></div></div></div></div>	
P2					24.02.21	JM	-	JM		STRUCTURAL FILL NOTE AMENDED
P3					04.02.21	JM	-	JM		COUNCIL COMMENTS
P1					30.09.20	AN	-	CD		ISSUED FOR COUNCIL SUBMISSION
REV					DATE	DRN	CKD	APP		AMENDMENT

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988PLAN OF SUBDIVISION No. PS838325X

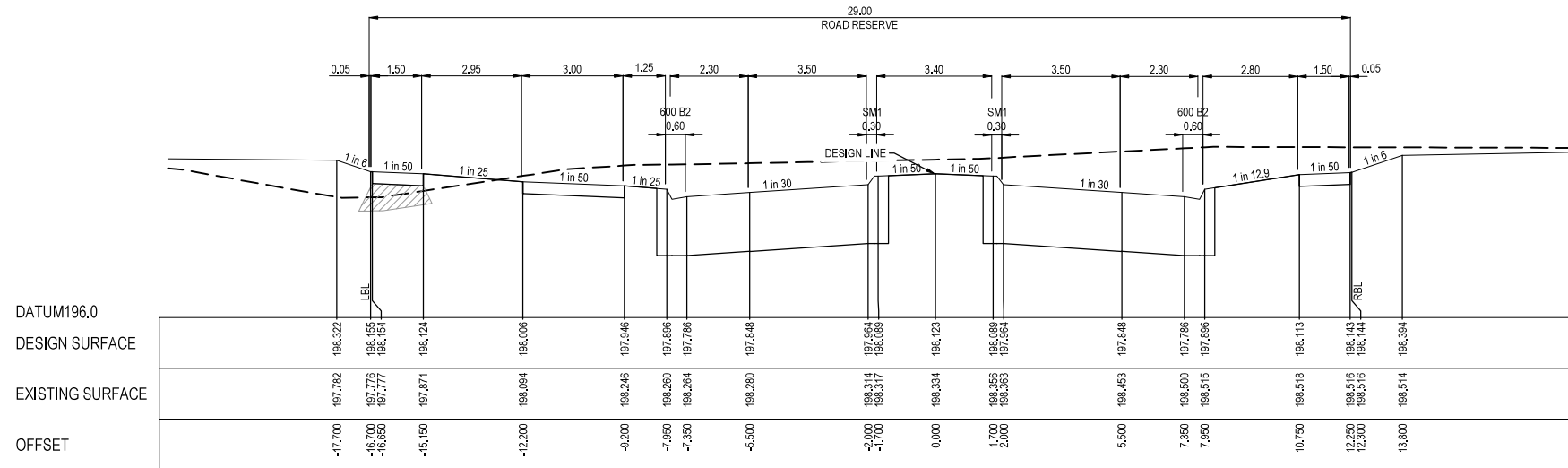
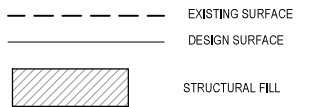
DEVELOPMENT ENGINEER

18/11/2021

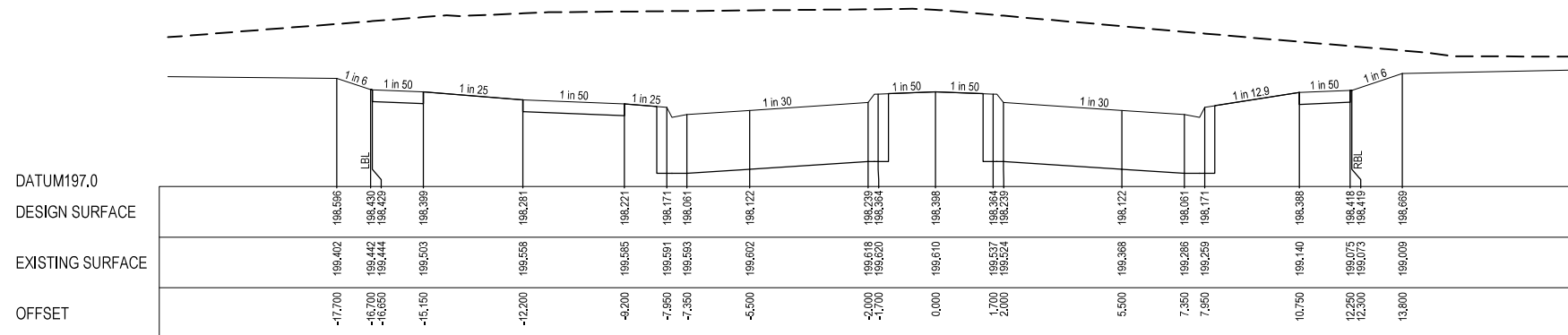
DATE APPROVED

STRUCTURAL FILL REQUIRED UNDER PAVEMENT
AND FOOTPATHS WHERE CONSTRUCTED ABOVE
NATURAL SURFACE.
REFER GEOTECH REPORT SECTION 7.1.3 FOR
SPECIFICATION.
FILL SHALL BE COMPACTED TO DRY DENSITY
RATIO OF NOT LESS THAN 98% STANDRAD
WITHIN THE TOP 300mm OF THE FINISHED
SUBGRADE LEVEL.

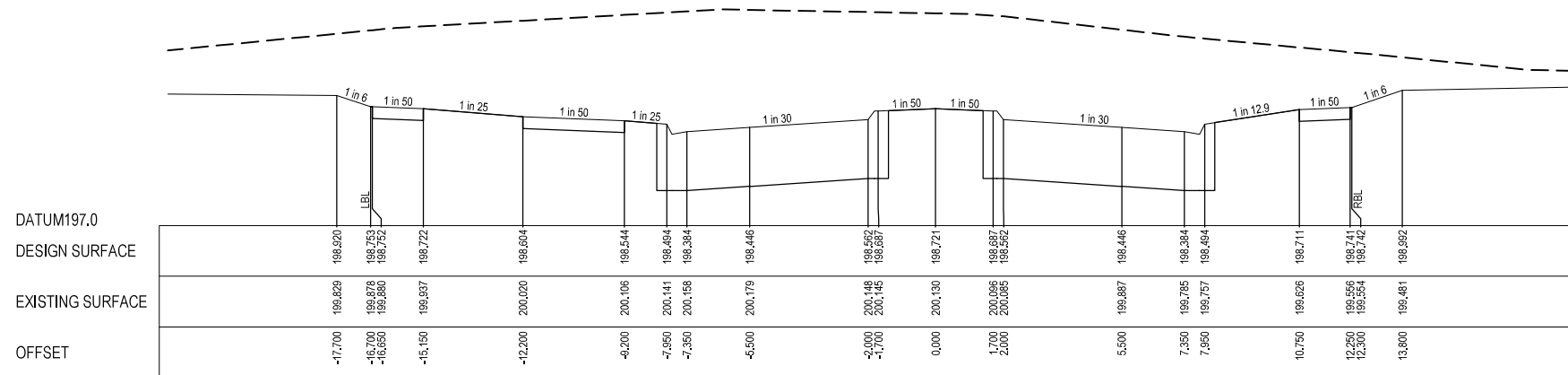
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CH 301.291



CH 288.791



CH 276.291

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P3	24.02.21	JM	-	JM	STRUCTURAL FILL NOTE AMENDED
P2	04.02.21	JM	-	JM	COUNCIL COMMENTS
P1	30.09.20	AN	-	CD	ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	OKD	APP	AMENDMENT

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SCALE @ A1
V 1:50



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APPROVED
[Signature] 08.06.21
DESIGNED
C&W
SCALE
AS SHOWN

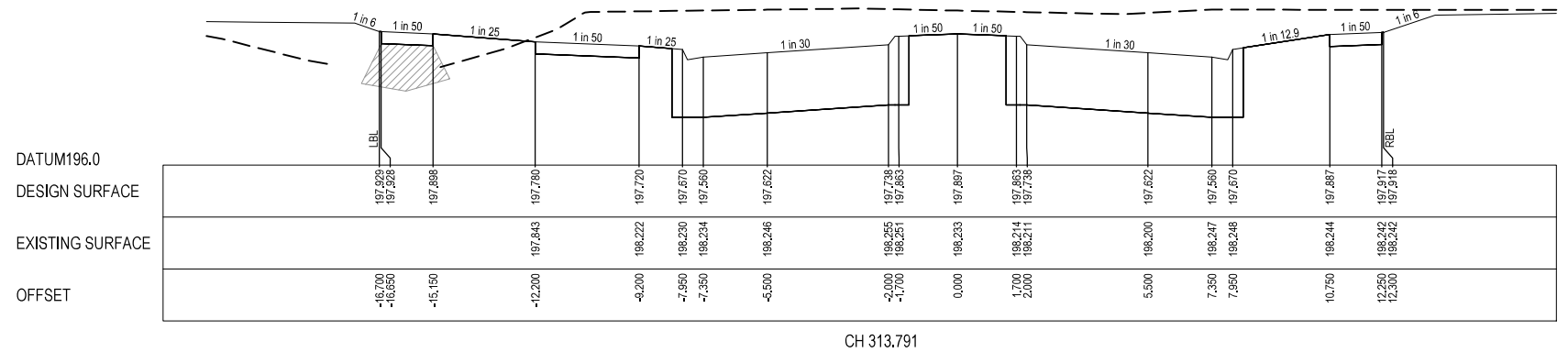
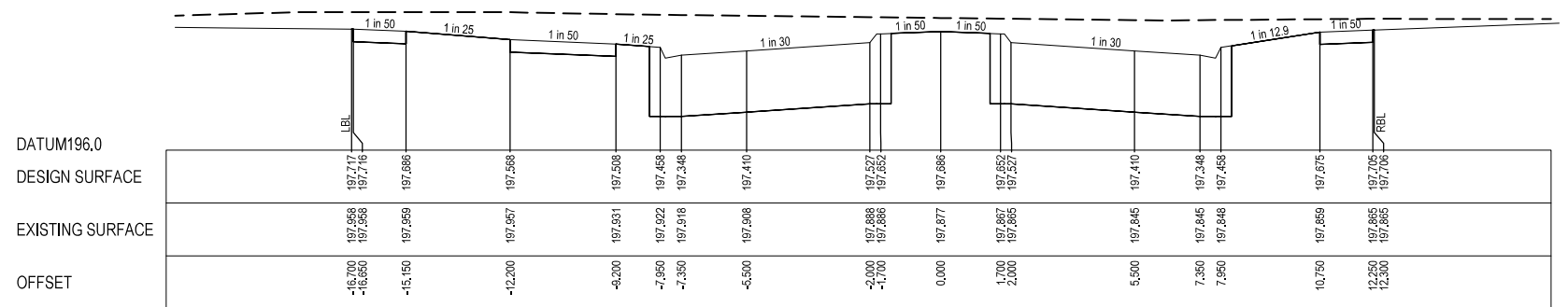
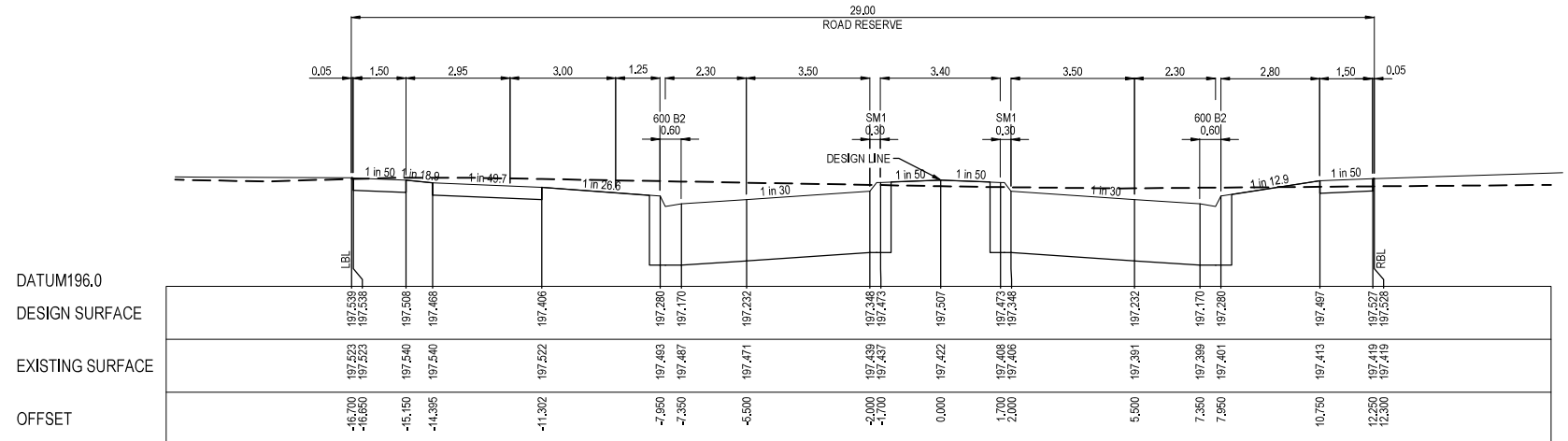
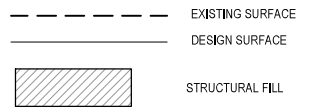
PROJECT
THE PATCH - STAGE 1
TITLE
ROAD CROSS SECTIONS AUREOLIN
BOULEVARD (SHEET 4 OF 5)
MUNICIPALITY
CITY OF WHITTLESEA
PP No.
717154
DRAWING No.
3201-01-203
REVISION
0

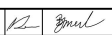
ORIGINAL
SIZE
A1

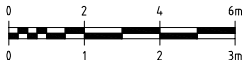
CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988PLAN OF SUBDIVISION No. PS838325X
DEVELOPMENT ENGINEER
18/11/2021
DATE APPROVEDSTRUCTURAL FILL REQUIRED UNDER PAVEMENT
AND FOOTPATHS WHERE CONSTRUCTED ABOVE
NATURAL SURFACE.
REFER GEOTECH REPORT SECTION 7.1.3 FOR
SPECIFICATION.
FILL SHALL BE COMPACTED TO DRY DENSITY
RATIO OF NOT LESS THAN 98% STANDRAD
WITHIN THE TOP 300mm OF THE FINISHED
SUBGRADE LEVEL.

LEGEND

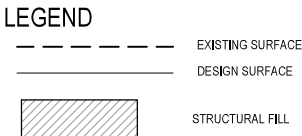


0	07.06.21	MHN		ISSUED FOR CONSTRUCTION
P3	24.02.21	JM	-	STRUCTURAL FILL NOTE AMENDED
P2	04.02.21	JM	-	COUNCIL COMMENTS
P1	30.09.20	AN	-	ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	OKD	APP
				AMENDMENT

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E melbourne@cosweb.com.auCLIENT

APPROVED
 08.06.21
DESIGNED
C & W
SCALE
AS SHOWNPROJECT
THE PATCH - STAGE 1
TITLE
ROAD CROSS SECTIONS AUREOLIN
BOULEVARD (SHEET 5 OF 5)
MUNICIPALITY
CITY OF WHITTLESEA
PP No.
717154
DRAWING No.
3201-01-204
REVISION
0ORIGINAL
SIZE
A1

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE.
REFER GEOTECH REPORT SECTION 7.1.3 FOR SPECIFICATION.
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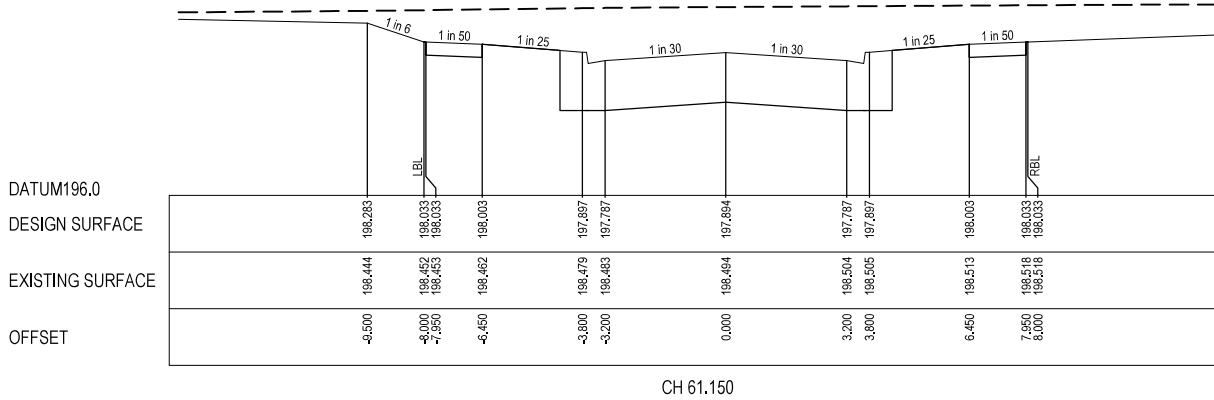
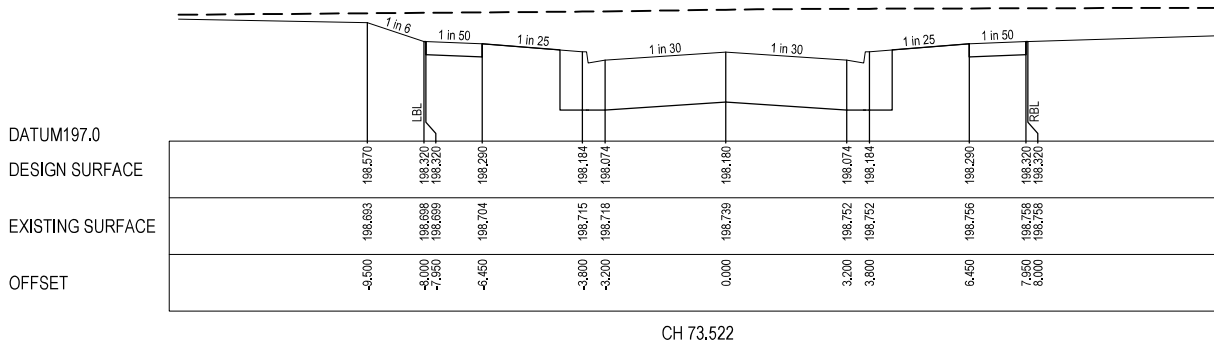
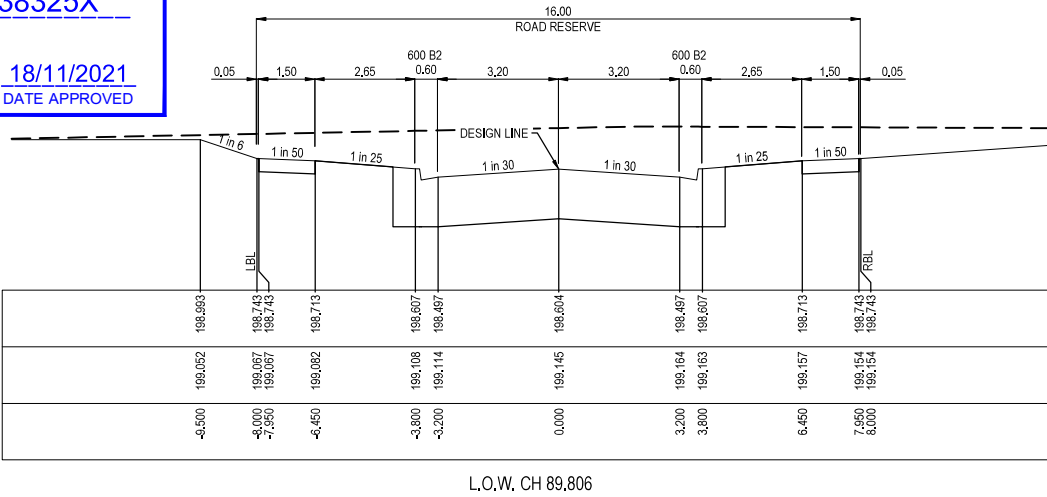
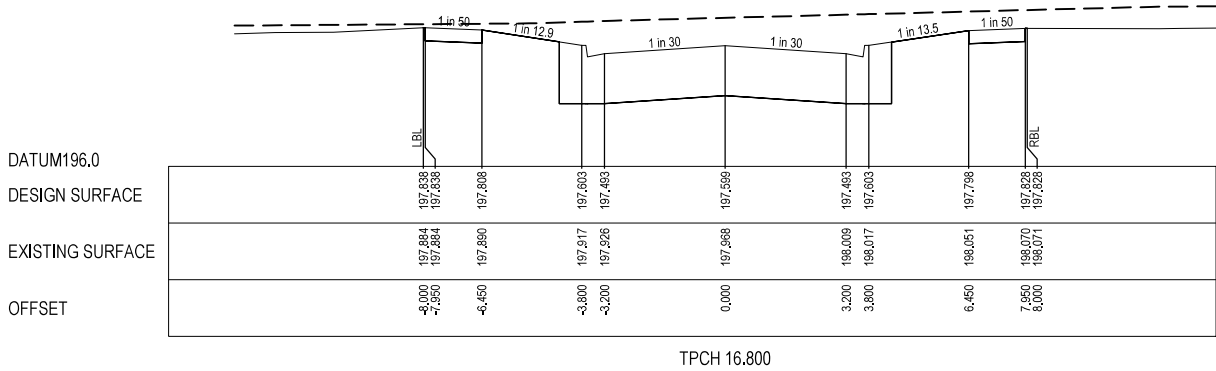
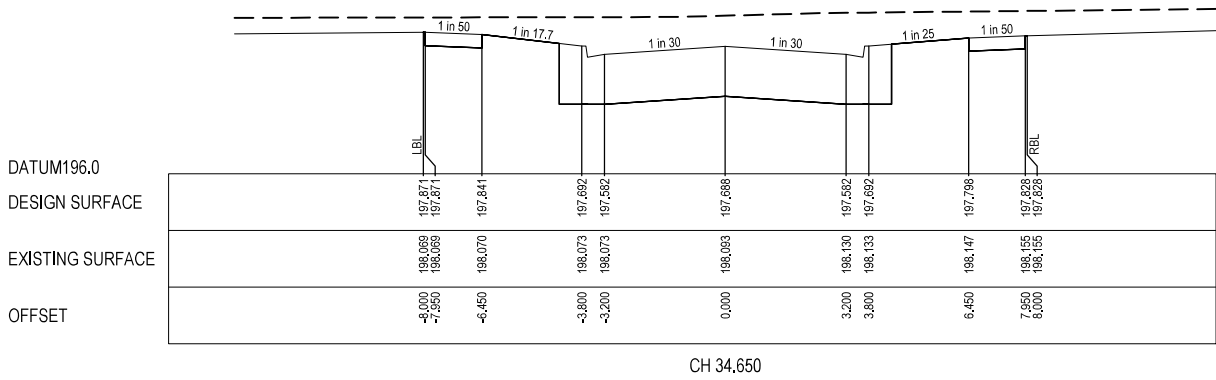
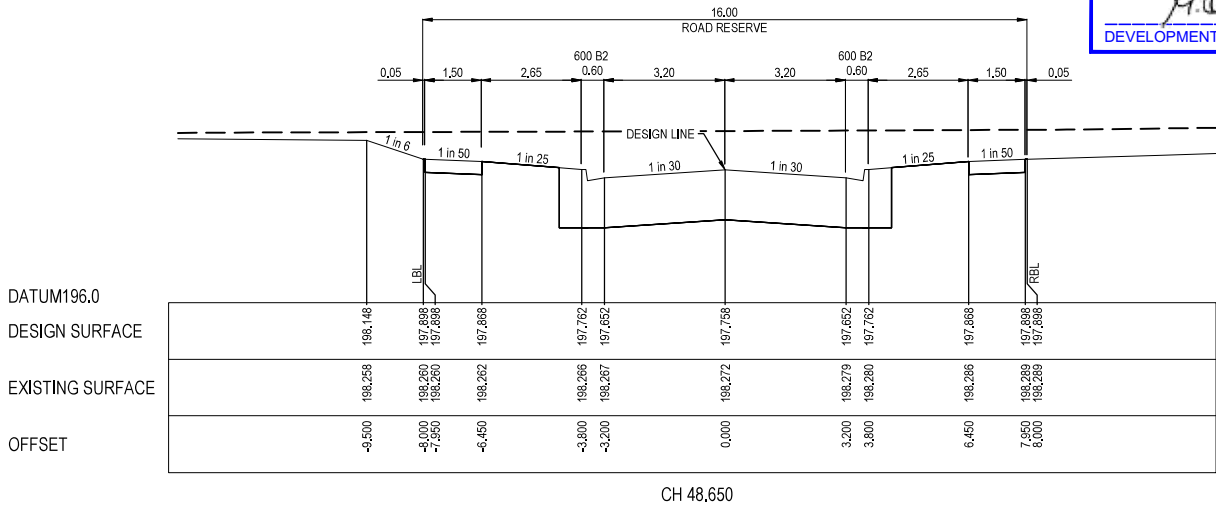




CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS838325X

H. G. L.
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED



0	07.06.21	MHN			ISSUED FOR CONSTRUCTION
P3	24.02.21	JM	-	JM	STRUCTURAL FILL NOTE AMENDED
P2	04.02.21	JM	-	JM	COUNCIL COMMENTS
P1	30.09.20	AN	-	CD	ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	OKD	APP	AMENDMENT

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SCALE @ A1
V 1:50



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JINDING

APPROVED
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DESIGNED
C & W

SCALE
AS SHOWN

PROJECT
THE PATCH - STAGE 1

TITLE
ROAD CROSS SECTIONS NOIR ROAD

MUNICIPALITY
CITY OF WHITTLESEA

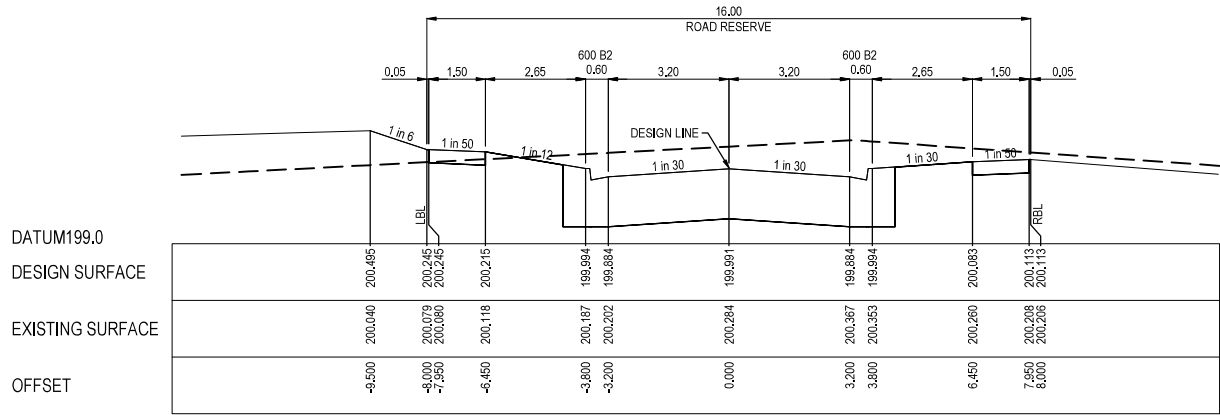
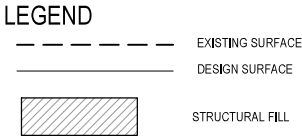
PP No.
717154

DRAWING No.
3201-01-205

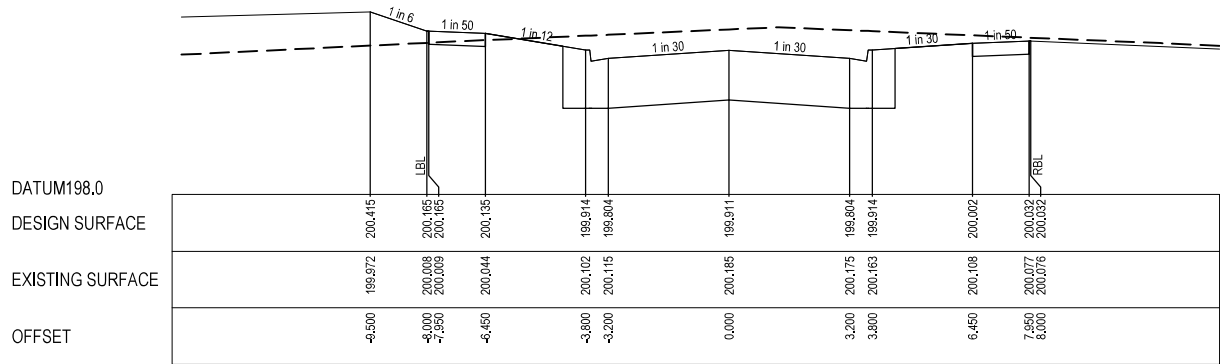
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A1
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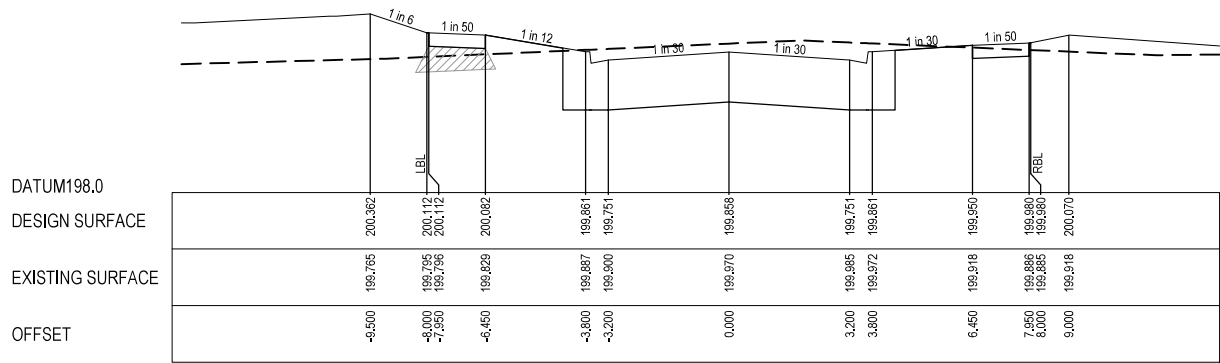
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE.
REFER GEOTECH REPORT SECTION 7.1.3 FOR SPECIFICATION.
FILL SHALL BE COMPACTED TO DRY DENSITY RATIO OF NOT LESS THAN 98% STANDRAD WITHIN THE TOP 300mm OF THE FINISHED SUBGRADE LEVEL.



L.O.W. CH 50.727



CH 34.700



TPCH 24.150



CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

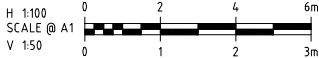
PLAN OF SUBDIVISION No. **PS838325X**

[Signature]
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED

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CLIENT	JINDING
APPROVED	08.06.21 <i>[Signature]</i>
DESIGNED	C&W
SCALE	AS SHOWN


PROJECT	THE PATCH - STAGE 1
TITLE	ROAD CROSS SECTIONS NEON WAY
MUNICIPALITY	CITY OF WHITTLESEA
PP No.	717154
DRAWING No.	3201-01-206
REVISION	0

ORIGINAL SIZE
A1

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988PLAN OF SUBDIVISION No. PS838325X
DEVELOPMENT ENGINEER18/11/2021
DATE APPROVEDSTRUCTURAL FILL REQUIRED UNDER PAVEMENT
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LEGEND

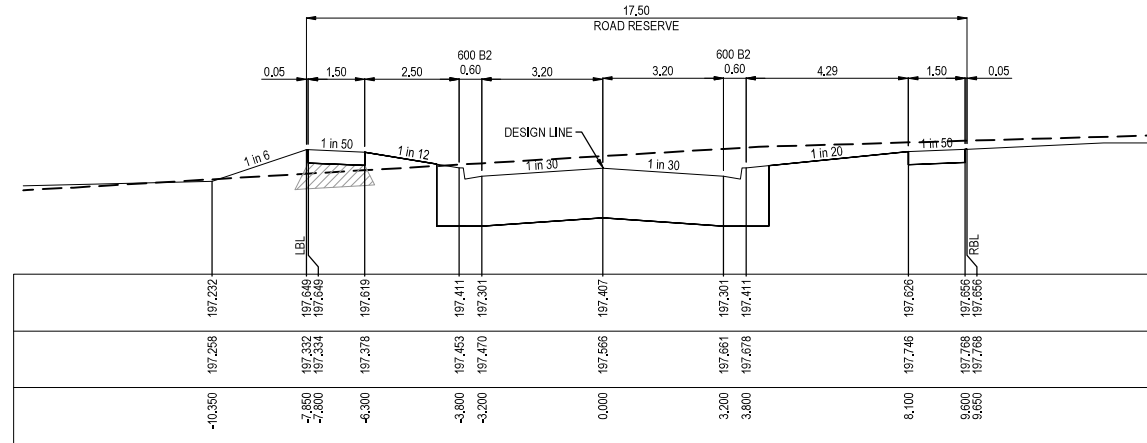
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	DESIGN SURFACE
	STRUCTURAL FILL

DATUM196.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



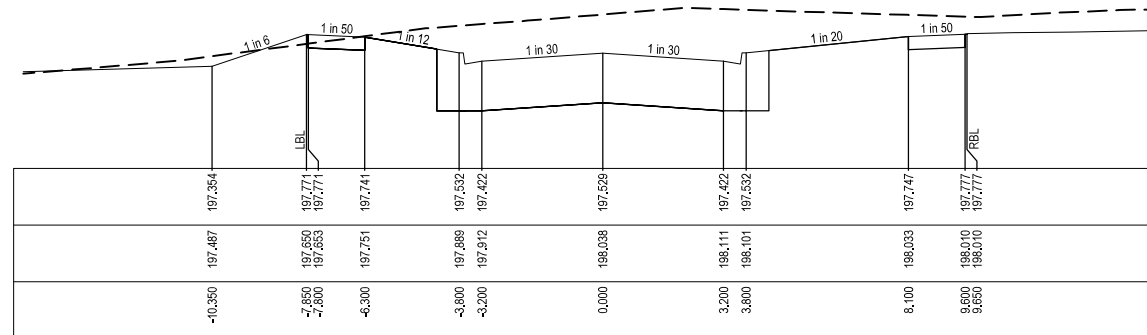
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DATUM196.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



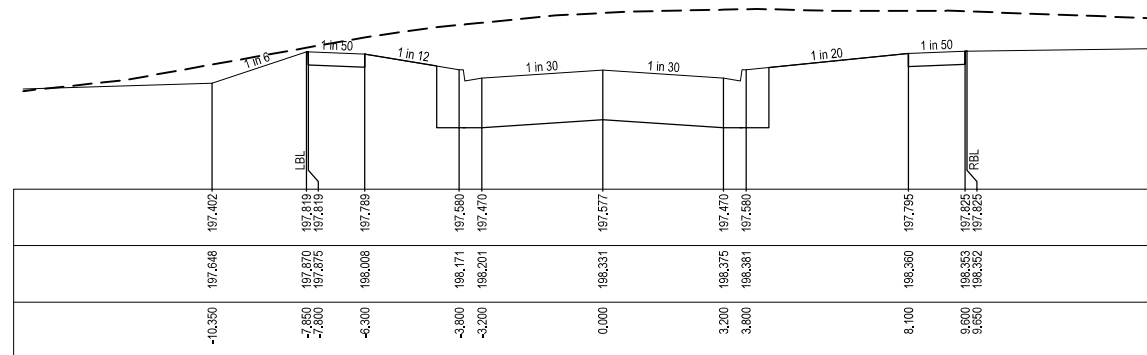
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DATUM196.0

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EXISTING SURFACE

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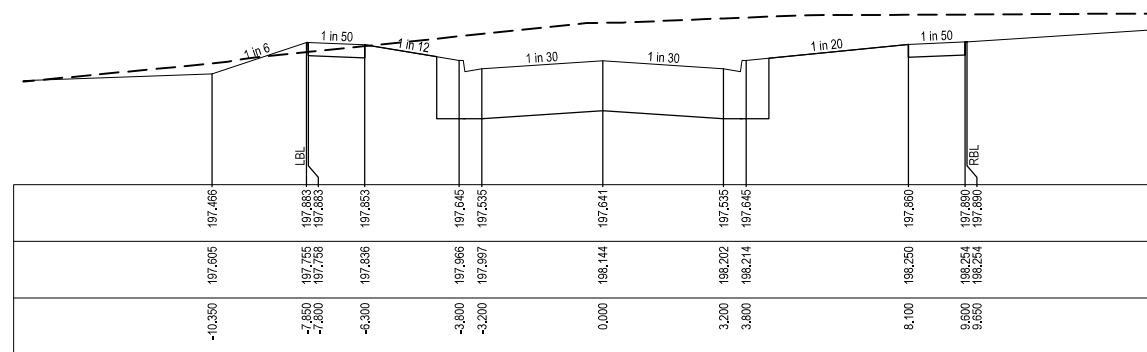
CH 148.215

DATUM196.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



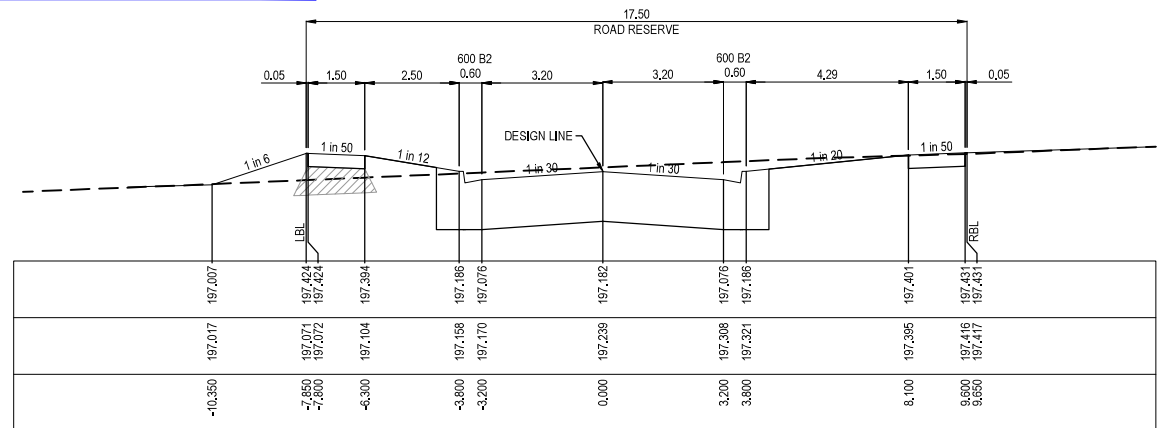
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DATUM196.0

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EXISTING SURFACE

OFFSET



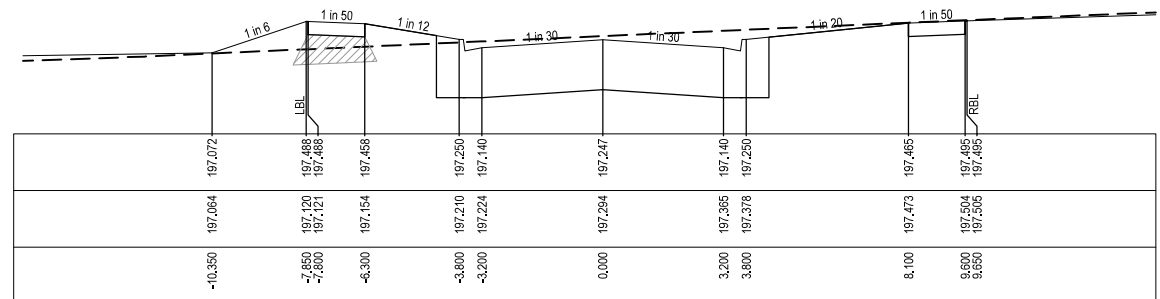
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DATUM196.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



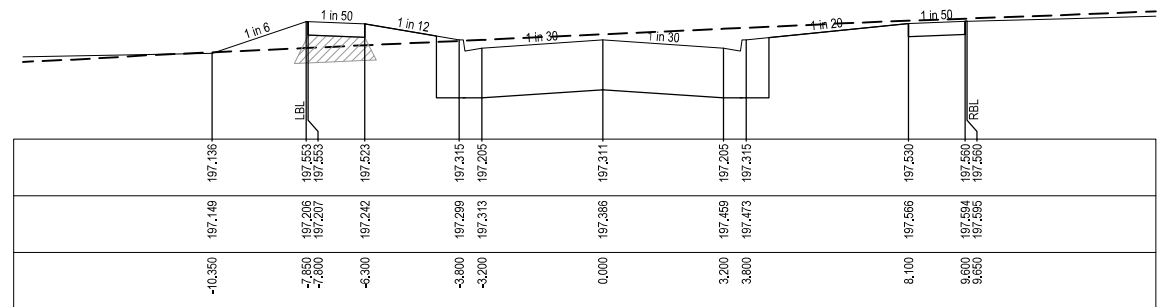
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DATUM196.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



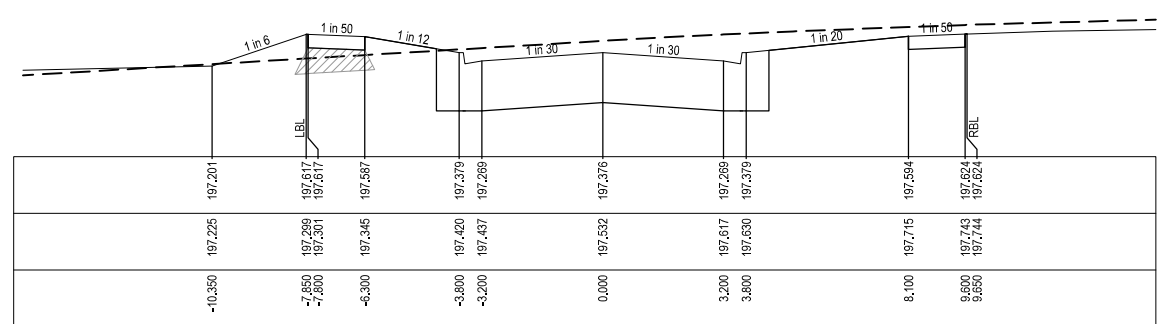
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DATUM196.0


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EXISTING SURFACE

OFFSET



CH 187.215

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P2	04.02.21	JM	-	COUNCIL COMMENTS
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REV	DATE	DRN	OKD	APP

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APPROVED

DESIGNED
C&W
SCALE
AS SHOWNPROJECT
THE PATCH - STAGE 1
TITLE
ROAD CROSS SECTIONS MAGENTA DRIVE
(SHEET 1 OF 2)
CITY OF WHITTLESEA
MUNICIPALITY
PP No.
717154
DRAWING No.
3201-01-207
REVISION
0A1
ORIGINAL
SIZE

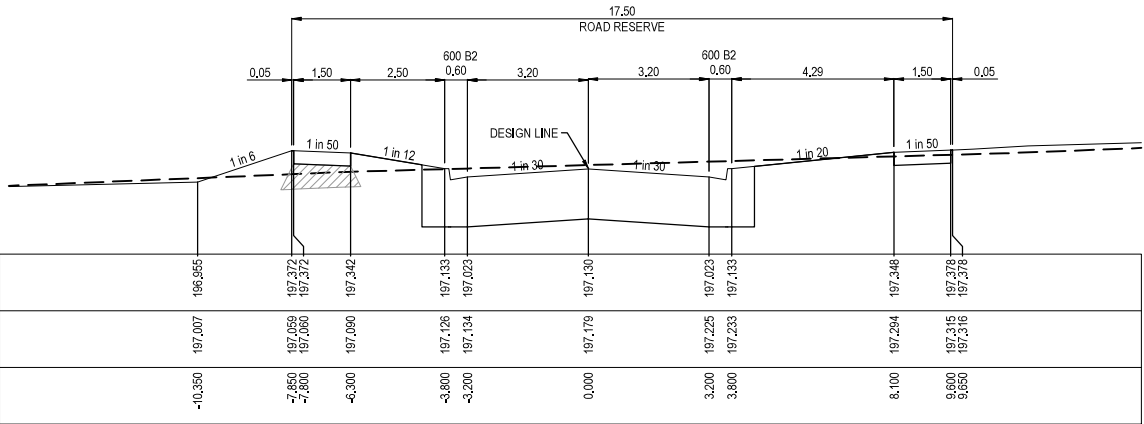
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE.
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FILL SHALL BE COMPACTED TO DRY DENSITY RATIO OF NOT LESS THAN 98% STANDRAD WITHIN THE TOP 300mm OF THE FINISHED SUBGRADE LEVEL.

LEGEND

EXISTING SURFACE

DESIGN SURFACE

STRUCTURAL FILL



TPCH 234.865

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS


APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS838325X**

18/11/2021

DEVELOPMENT ENGINEER

DATE APPROVED

0	07.06.21	MHN		ISSUED FOR CONSTRUCTION	
P3	24.02.21	JM	-	JM	STRUCTURAL FILL NOTE AMENDED
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APPROVED

08.06.21

DESIGNED

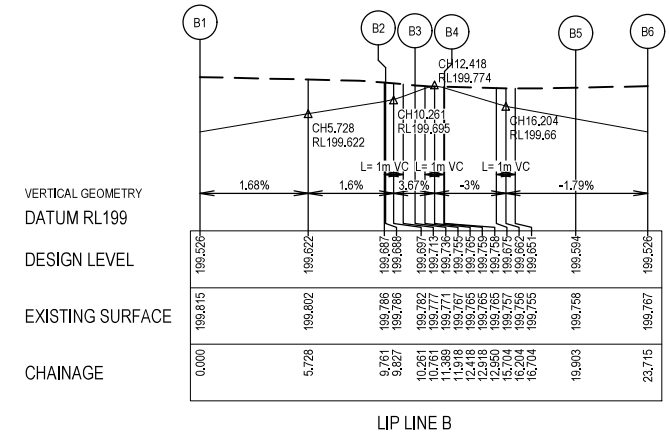
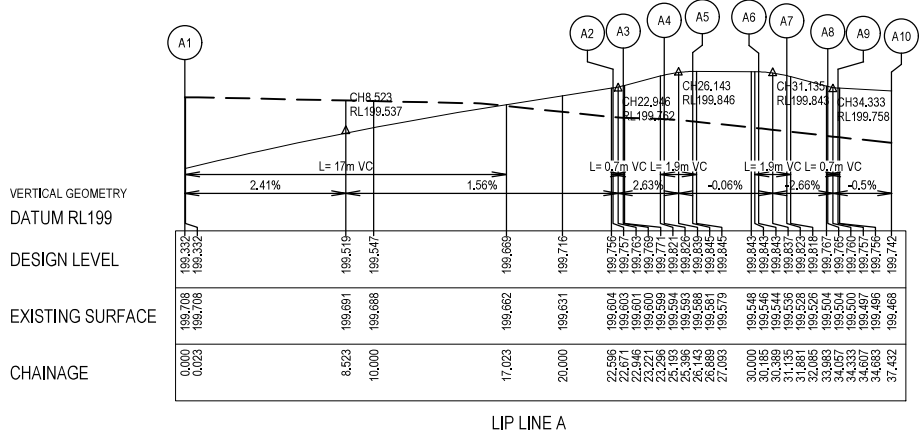
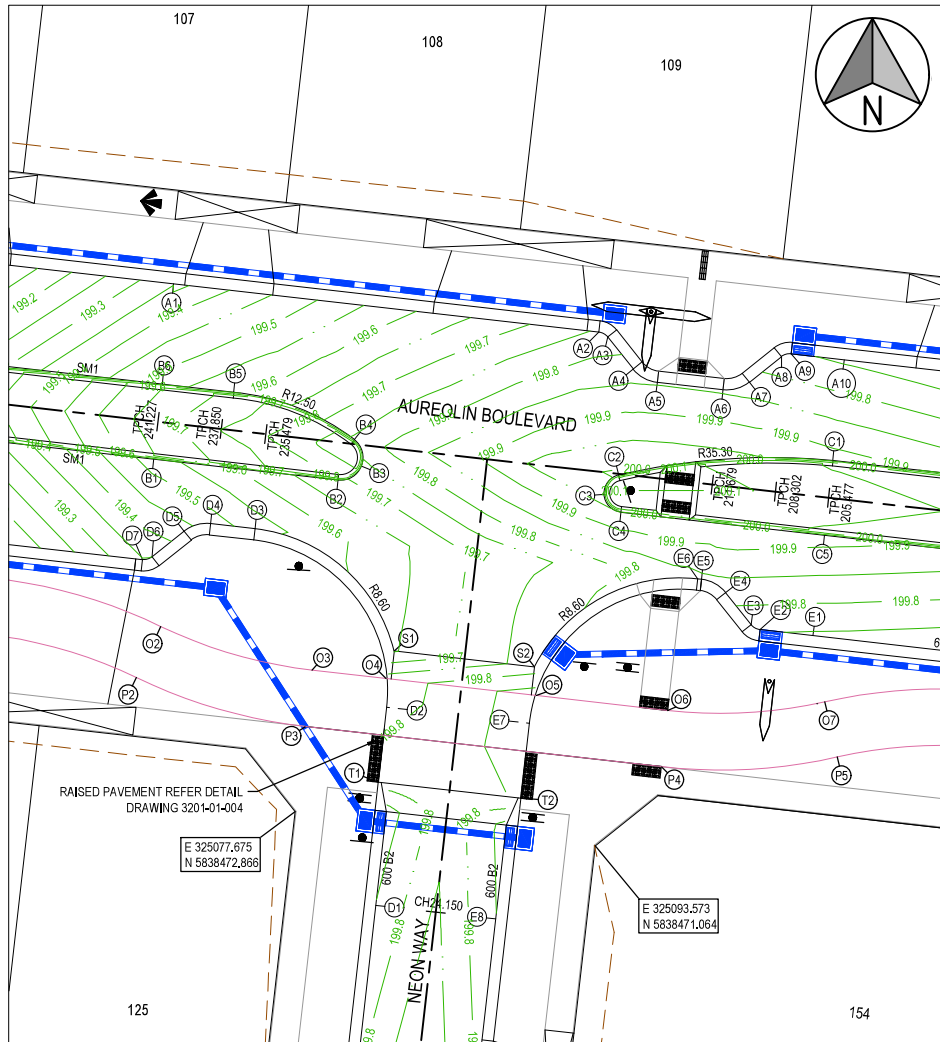
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SCALE

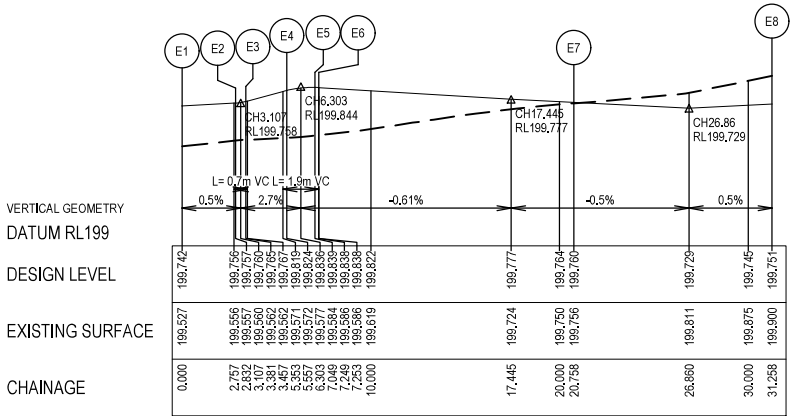
AS SHOWN

PROJECT	THE PATCH - STAGE 1
TITLE	ROAD CROSS SECTIONS MAGENTA DRIVE (SHEET 2 OF 2)
MUNICIPALITY	CITY OF WHITTLESEA
PP No.	717154
DRAWING No.	3201-01-208
REVISION	0

ORIGINAL SIZE
A1



CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
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SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS838325X
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DEVELOPMENT ENGINEER
18/11/2021
DATE APPROVED

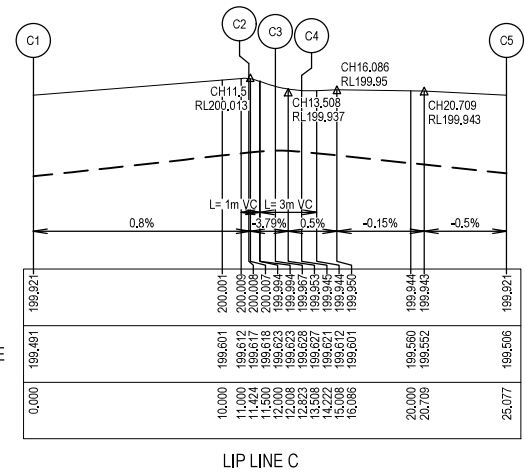


VERTICAL GEOMETRY
DATUM RL199

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



Alignment C

Point no	Easting	Northing	RL
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C2	325094.807	5838490.691	200.008
C3	325094.038	5838489.659	199.967
C4	325094.924	5838488.724	199.945
C5	325105.710	5838487.502	199.921

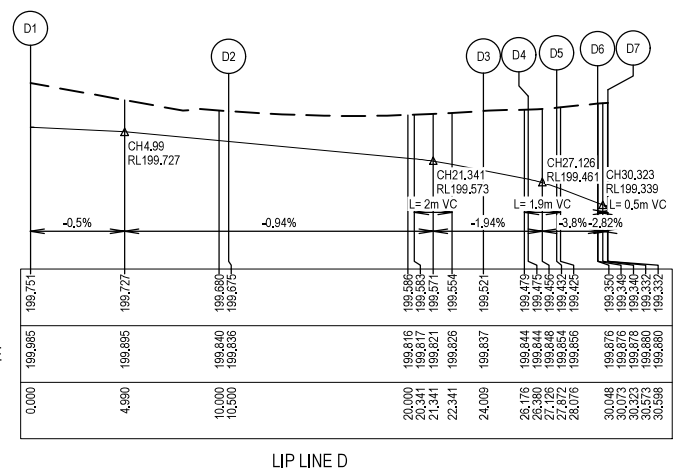
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
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C2 - C3	80.151	1.000	1.399	0.235	0.174	0.343	0.301	0.350	199.989
C3 - C4	80.151	1.000	1.399	0.235	0.174	0.343	0.301	0.350	199.952

VERTICAL GEOMETRY
DATUM RL199

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



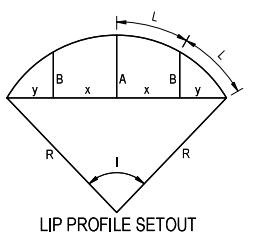
Alignment D

Point no	Easting	Northing	RL
D1	325081.943	5838467.904	199.751
D2	325083.125	5838478.337	199.675
D3	325075.549	5838487.851	199.521
D4	325073.193	5838488.118	199.475
D5	325071.795	5838487.716	199.432
D6	325070.093	5838486.361	199.350
D7	325069.578	5838486.213	199.332

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D2 - D3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	199.612
D4 - D5	45.000	1.900	1.492	0.145	0.108	0.371	0.356	0.373	199.456
D6 - D7	45.000	0.700	0.550	0.053	0.040	0.137	0.131	0.137	199.340

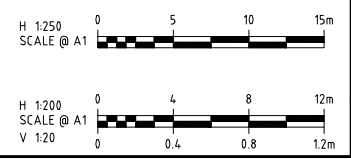
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- 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



0	07.06.21	MHN	[Signature]	ISSUED FOR CONSTRUCTION
P2	04.02.21	JM	-	JM
P1	30.09.20	AN	-	CD
REV	DATE	DRN	OKD	APP

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E melbourne@cossweb.com.au

CLIENT
JINDING

PROJECT
THE PATCH - STAGE 1

TITLE
INTERSECTION DETAILS (SHEET 1 OF 6)

MUNICIPALITY
CITY OF WHITTLESEA

PP No.
717154

DRAWING No.
3201-01-300

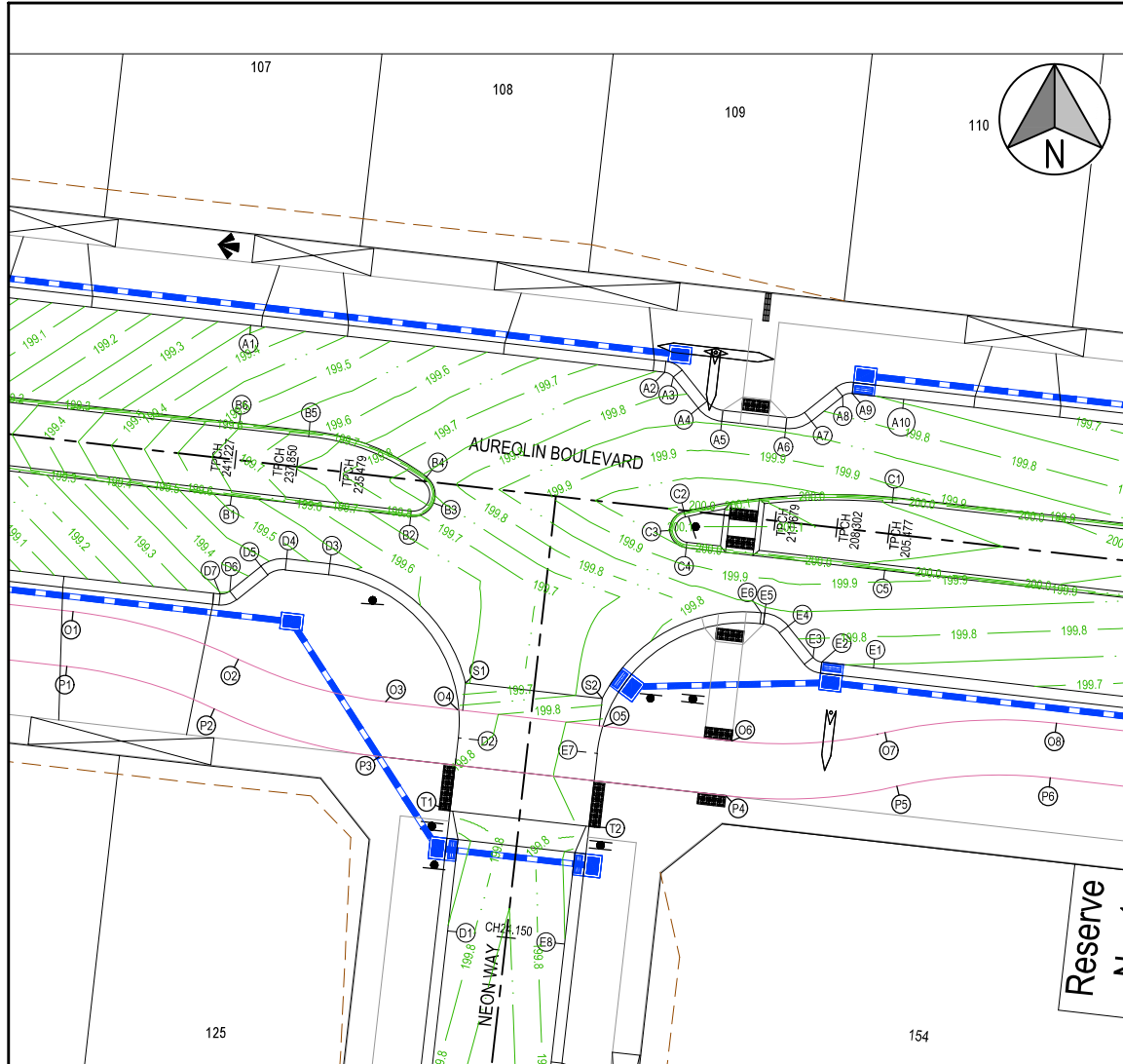
REVISION
0

APPROVED
[Signature] 08.06.21

DESIGNED
C&W

SCALE
AS SHOWN

ORIGINAL SIZE
A1



Alignment O

Point no	Easting	Northing	RL
O1	325061.582	5838485.257	199.294
O2	325070.559	5838482.671	199.583
O3	325078.575	5838480.362	199.711
O4	325082.494	5838479.918	199.770
O5	325090.454	5838479.015	199.878
O6	325097.404	5838478.228	199.979
O7	325105.732	5838478.684	199.926
O8	325115.061	5838479.195	199.854

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
O1 - O2	19.206	28.000	9.386	0.392	0.294	2.344	2.327	2.347	199.455
O2 - O3	19.206	25.000	8.380	0.350	0.263	2.093	2.078	2.095	199.648
O6 - O7	19.205	25.000	8.380	0.350	0.263	2.092	2.078	2.095	199.967
O7 - O8	19.208	28.000	9.387	0.392	0.294	2.344	2.328	2.347	199.890

Alignment P

Point no	Easting	Northing	RL
P1	325061.244	5838482.276	199.354
P2	325069.260	5838479.967	199.643
P3	325078.237	5838477.381	199.765
P4	325097.066	5838475.247	200.000
P5	325106.394	5838475.758	199.978
P6	325114.723	5838476.215	199.914

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
P1 - P2	19.206	25.000	8.380	0.350	0.263	2.093	2.078	2.095	199.500
P2 - P3	19.206	28.000	9.386	0.392	0.294	2.344	2.327	2.347	199.727
P4 - P5	19.206	28.000	9.386	0.392	0.294	2.344	2.327	2.347	200.036
P5 - P6	19.206	25.000	8.380	0.350	0.263	2.093	2.078	2.095	199.946

Alignment S

Point no	Easting	Northing	RL
S1	325082.927	5838481.379	199.646
S2	325090.359	38480.536	199.775

Alignment T

Point no	Easting	Northing	RL
T1	325082.079	5838474.430	199.822
T2	325089.630	5838473.574	199.850

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

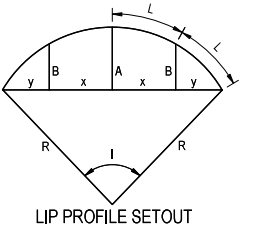
PLAN OF SUBDIVISION No. PS838325X

H. G. L.
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED

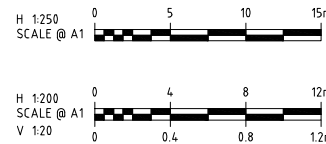
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
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REV	DATE	DRN	OKD	APP	AMENDMENT
0	07.06.21	MHN			ISSUED FOR CONSTRUCTION
P2	04.02.21	JM		JM	COUNCIL COMMENTS
P1	30.09.20	AN		CD	ISSUED FOR COUNCIL SUBMISSION

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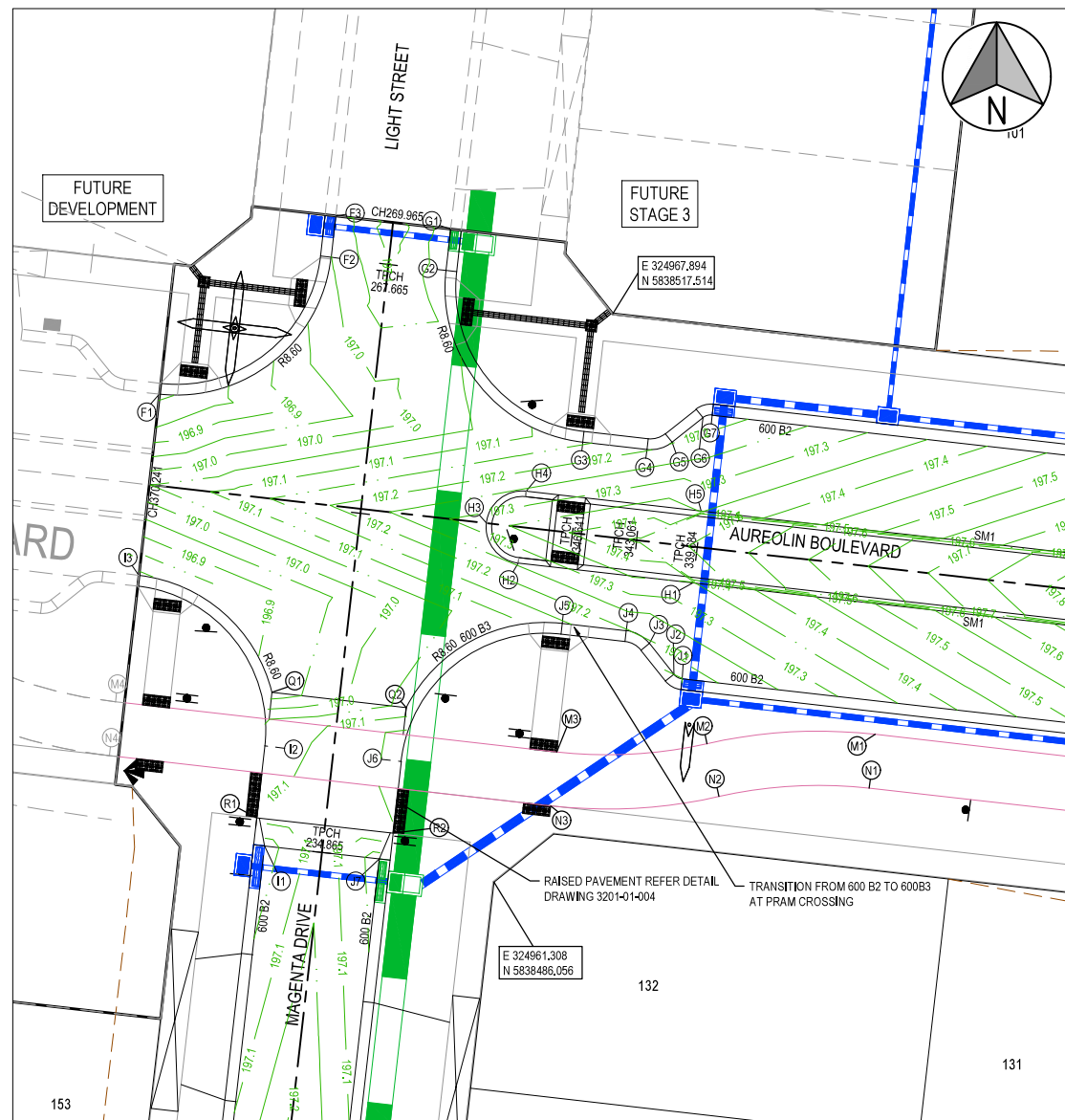


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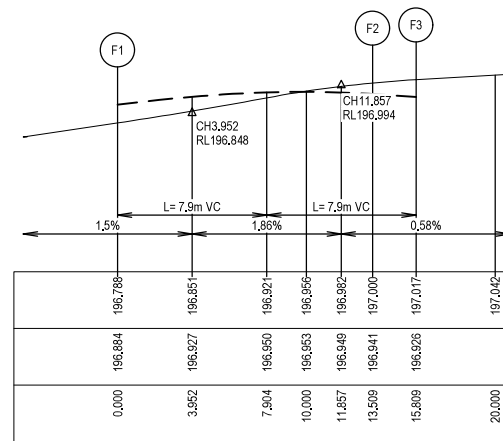
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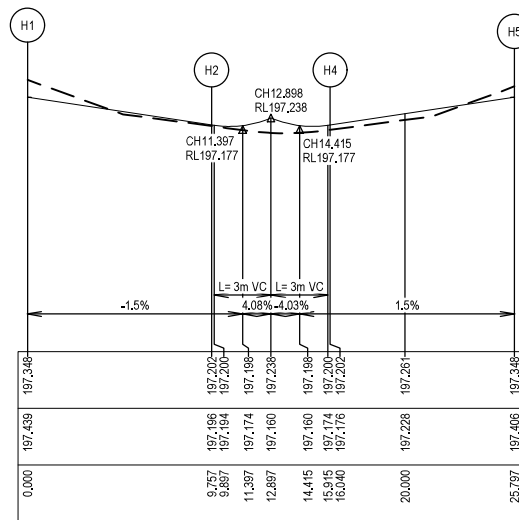
PROJECT
THE PATCH - STAGE 1
TITLE
INTERSECTION DETAILS (SHEET 2 OF 6)
MUNICIPALITY
CITY OF WHITTLESEA
PP No.
717154
DRAWING No.
3201-01-301
REVISION
0
ORIGINAL SIZE
A1



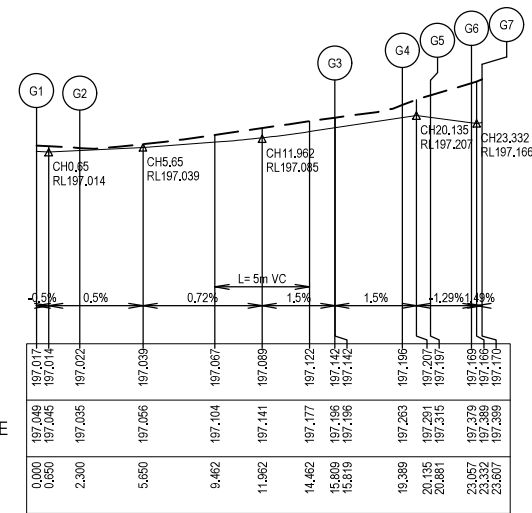
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DATUM RL196
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



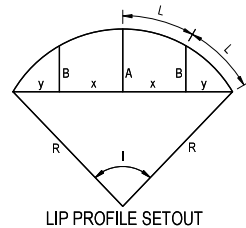
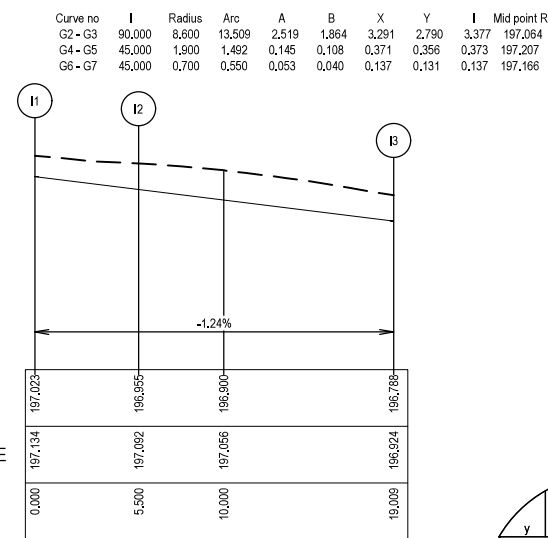
VERTICAL GEOMETRY
DATUM RL196
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



VERTICAL GEOMETRY
DATUM RL196
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



VERTICAL GEOMETRY
DATUM RL196
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

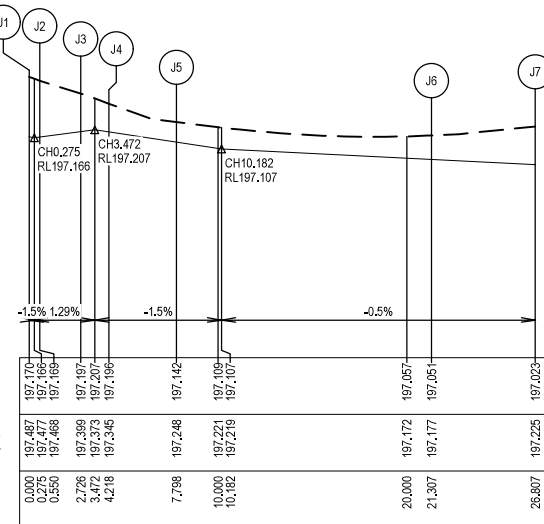


CITY OF WHITTLESEA ENGINEERING PLANS & SPECIFICATIONS APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS838325X**

[Signature]
DEVELOPMENT ENGINEER
18/11/2021
DATE APPROVED

VERTICAL GEOMETRY
DATUM RL196
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



Alignment J

Point no	Easting	Northing	RL
J1	324971.748	5838497.302	197.170
J2	324971.280	5838497.561	197.169
J3	324969.924	5838499.263	197.197
J4	324968.652	5838499.967	197.196
J5	324965.095	5838500.370	197.142
J6	324955.581	5838492.794	197.051
J7	324954.961	5838487.329	197.023

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
J1-J2	45,000	0.700	0.550	0.053	0.040	0.137	0.131	0.137	197.166
J3-J4	45,000	1.900	1.492	0.145	0.108	0.371	0.356	0.373	197.207
J5-J6	90,000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	197.085

Alignment H

Point no	Easting	Northing	RL
H1	324972.351	5838502.617	197.348
H2	324962.656	5838503.716	197.202
H3	324960.894	5838505.929	197.238
H4	324963.107	5838507.691	197.202
H5	324972.801	5838506.592	197.348

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
H2-H3	90,000	2,000	3,142	0,586	0,434	0,765	0,649	0,785	197,197
H3-H4	90,000	2,000	3,142	0,586	0,434	0,765	0,649	0,785	197,197

Alignment I

Point no	Easting	Northing	RL
I1	324948.602	5838488.049	197.023
I2	324949.222	5838483.514	196.955
I3	324941.645	5838503.028	196.788

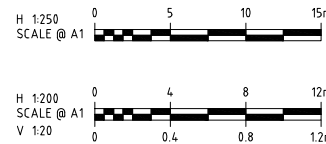
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
I2-I3	90,000	8,600	13,509	2,519	1,864	3,291	2,790	3,377	196,872

LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
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- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

0	07.06.21	MHN	<i>[Signature]</i>	ISSUED FOR CONSTRUCTION
P2	04.02.21	JM	-	COUNCIL COMMENTS
P1	30.09.20	AN	-	ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	OKD	APP

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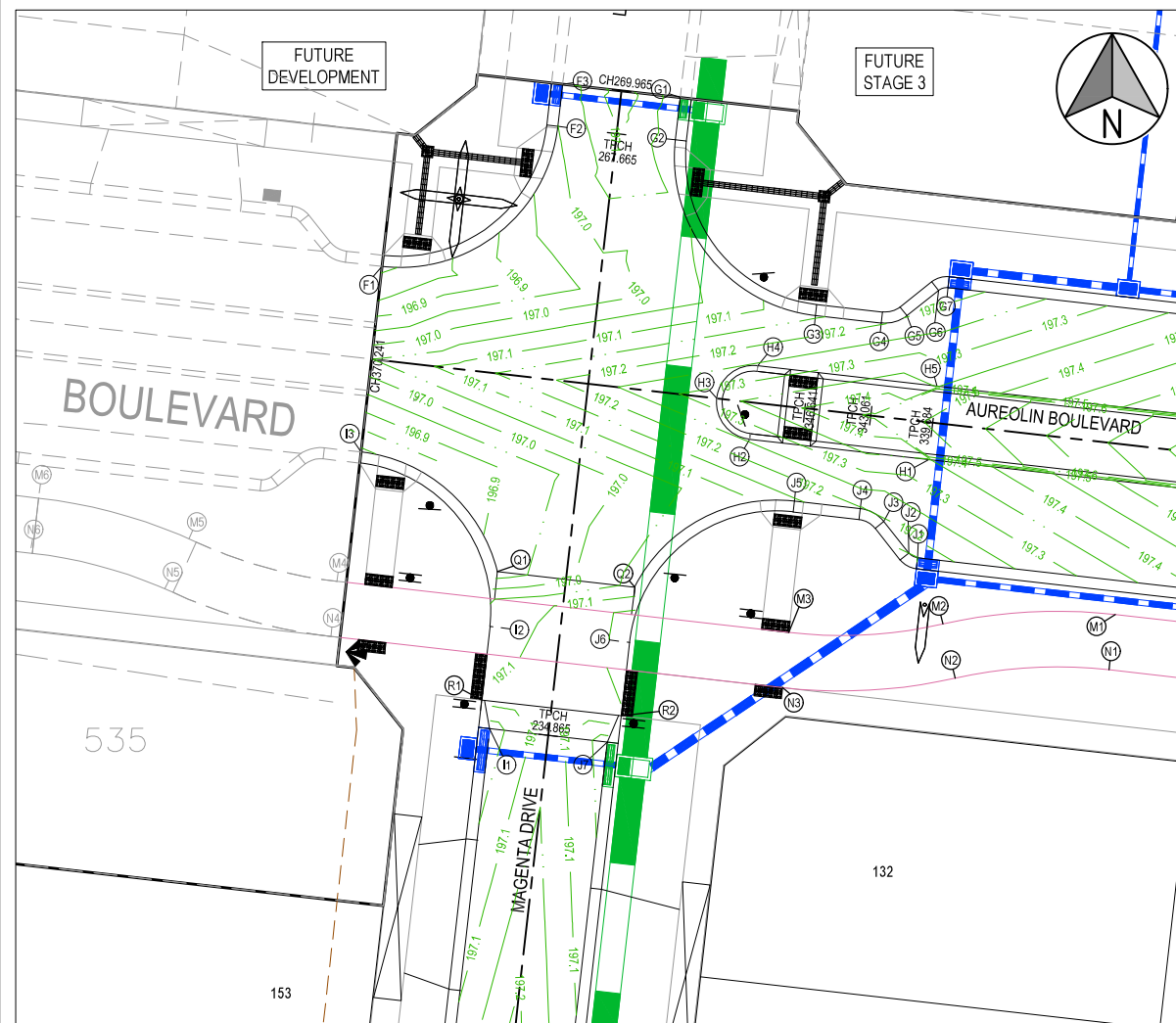


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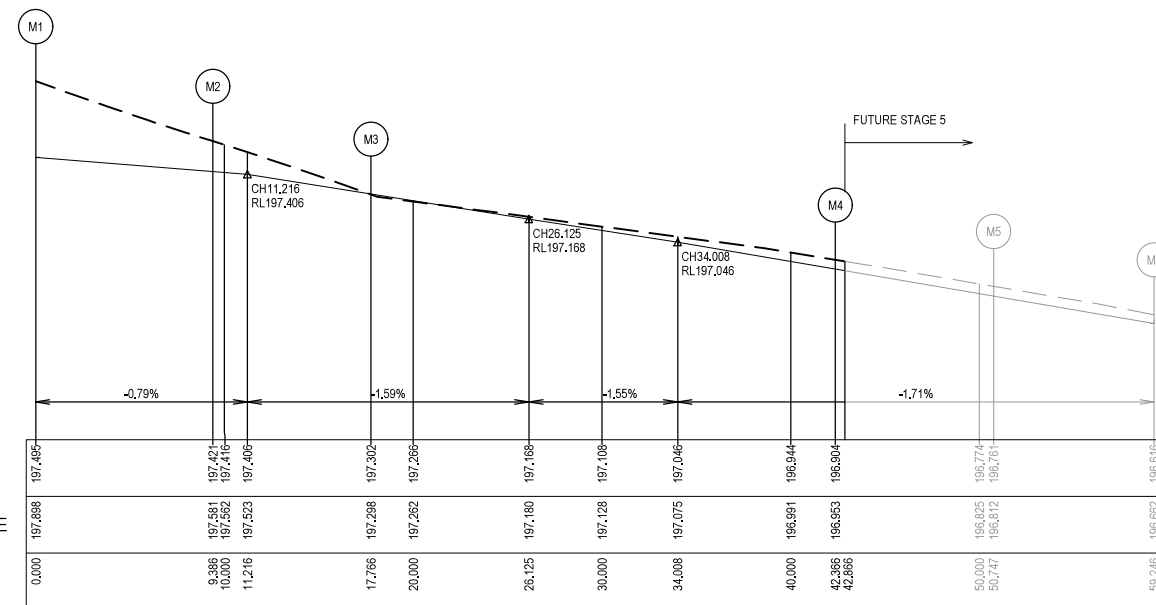
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E melbourne@cosweb.com.au

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SCALE
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PROJECT
THE PATCH - STAGE 1
TITLE
INTERSECTION DETAILS (SHEET 3 OF 6)
MUNICIPALITY
CITY OF WHITTLESEA
PP No.
717154
DRAWING No.
3201-01-302
REVISION
0
ORIGINAL SIZE
A1

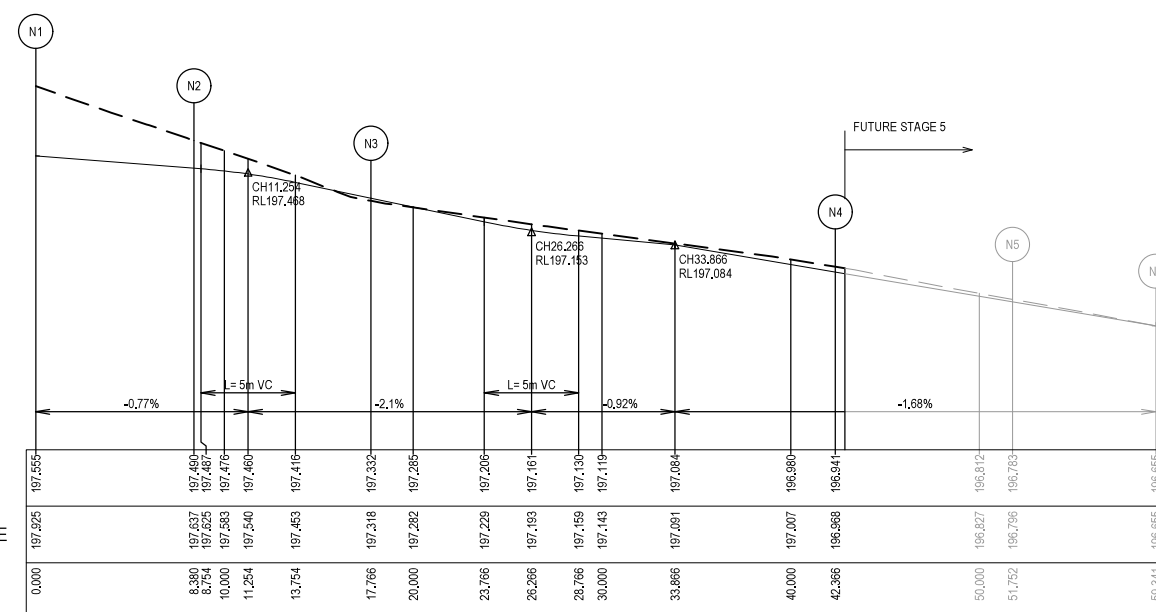


VERTICAL GEOMETRY
DATUM RL196
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE M

VERTICAL GEOMETRY
DATUM RL196
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE N

Alignment M

Point no	Easting	Northing	RL
M1	324982.449	5838494.227	197.495
M2	324973.121	5838493.716	197.421
M3	324964.792	5838493.259	197.302
M4	324940.348	5838496.030	196.904
M5	324932.333	5838498.339	196.761
M6	324924.235	5838500.811	196.616

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
M1 - M2	19.206	28.000	9.386	0.392	0.294	2.344	2.327	2.347	197.458
M2 - M3	19.206	25.000	8.380	0.350	0.263	2.093	2.078	2.095	197.369
M4 - M5	19.206	25.000	8.380	0.350	0.263	2.093	2.078	2.095	196.832
M5 - M6	17.393	28.000	8.500	0.322	0.241	2.123	2.111	2.125	196.688

Alignment N

Point no	Easting	Northing	RL
N1	324982.111	5838491.246	197.555
N2	324973.782	5838490.790	197.490
N3	324964.454	5838490.278	197.332
N4	324940.011	5838493.049	196.941
N5	324931.033	5838495.635	196.783
N6	324923.803	5838497.842	196.655

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
N1 - N2	19.206	25.000	8.380	0.350	0.263	2.093	2.078	2.095	197.522
N2 - N3	19.206	28.000	9.386	0.392	0.294	2.344	2.327	2.347	197.430
N4 - N5	19.206	28.000	9.386	0.392	0.294	2.344	2.327	2.347	196.862
N5 - N6	17.393	25.000	7.589	0.287	0.215	1.895	1.884	1.897	196.719

Alignment Q

Point no	Easting	Northing	RL
Q1	324949.023	5838496.556	196.917
Q2	324956.456	5838495.714	197.066

Alignment R

Point no	Easting	Northing	RL
R1	324948.175	5838489.608	197.114
R2	324955.727	5838488.752	197.141

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
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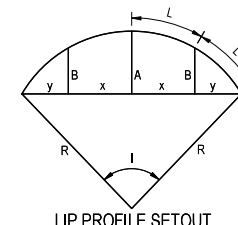
PLAN OF SUBDIVISION No. PS838325X

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DEVELOPMENT ENGINEER

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DATE APPROVED

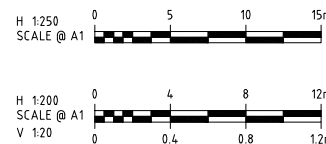
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
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REV	DATE	DRN	OKD	APP	AMENDMENT
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P2	04.02.21	JM	-	-	COUNCIL COMMENTS
P1	30.09.20	AN	-	CD	ISSUED FOR COUNCIL SUBMISSION

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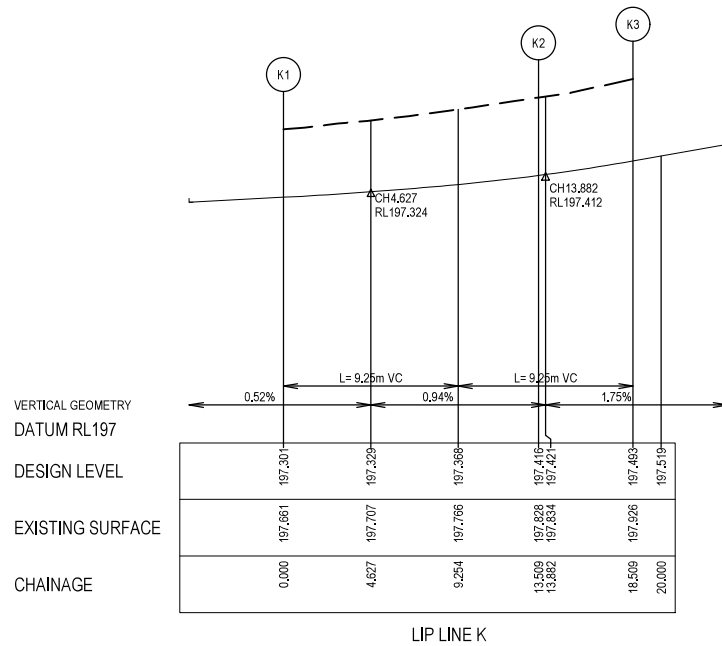
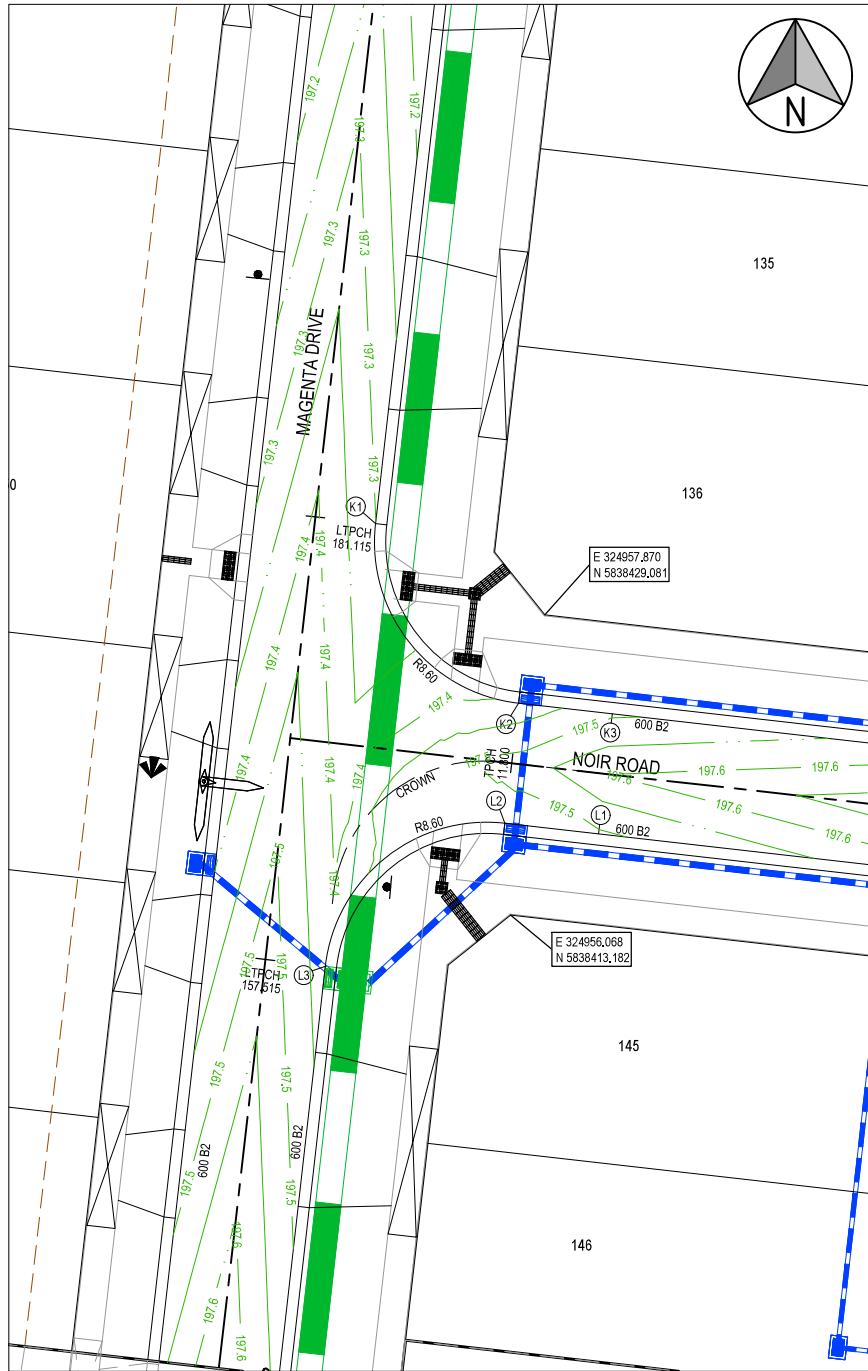


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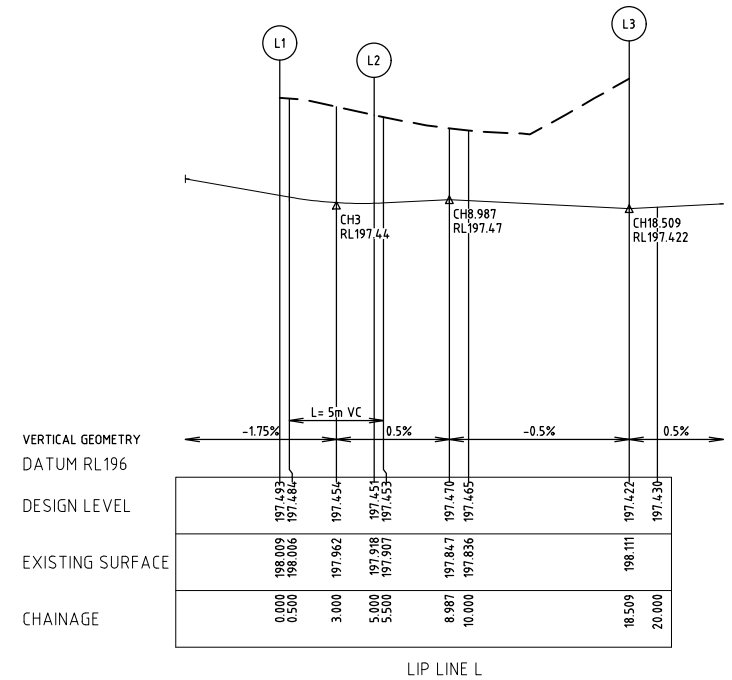
PROJECT
THE PATCH - STAGE 1
TITLE
INTERSECTION DETAILS (SHEET 4 OF 6)
MUNICIPALITY
CITY OF WHITTLESEA
PP No.
717154
DRAWING No.
3201-01-303
REVISION
0
ORIGINAL
SIZE
A1



Alignment K

Point no	Easting	Northing	RL
K1	324948.908	5838433.921	197.301
K2	324956.485	5838424.407	197.416
K3	324961.453	5838423.844	197.493

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
K1 - K2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	197.346



Alignment L

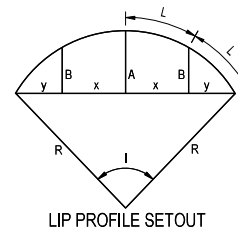
Point no	Easting	Northing	RL
L1	4960.732	38417.484	197.493
L2	4955.764	38418.048	197.451
L3	4946.250	38410.471	197.422

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
L2 - L3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	197.456

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS838325X**
H.6L
DEVELOPMENT ENGINEER
18/11/2021
DATE APPROVED

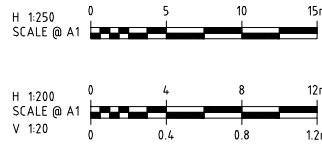
LEGEND

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- 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



REV	DATE	DRN	OKD	APP	AMENDMENT
0	07.06.21	MHN			ISSUED FOR CONSTRUCTION
P2	04.02.21	JM	-	JM	COUNCIL COMMENTS
P1	30.09.20	AN	-	CD	ISSUED FOR COUNCIL SUBMISSION

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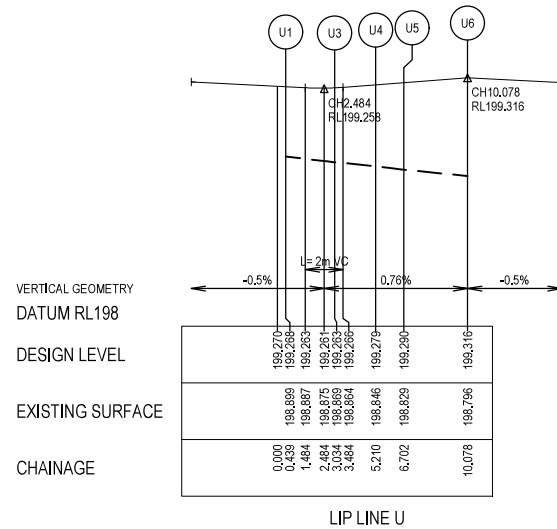
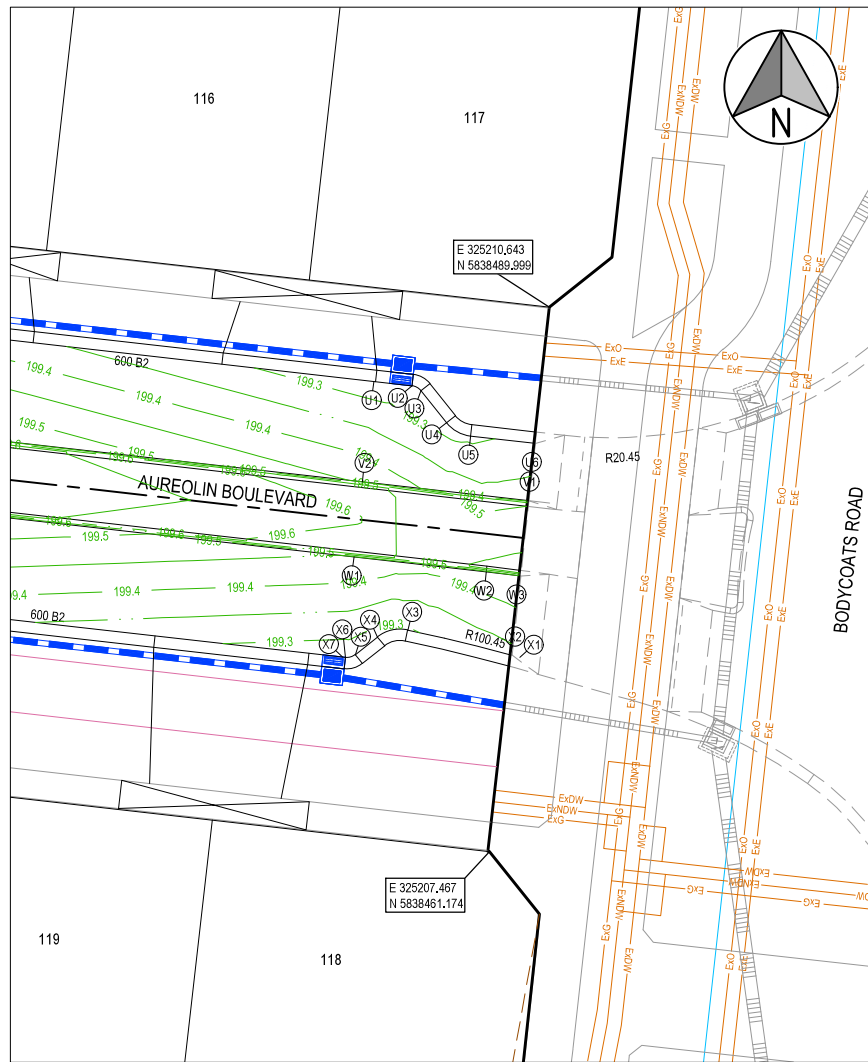
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APPROVED
08.06.21
DESIGNED
C&W
SCALE
AS SHOWN

PROJECT
THE PATCH - STAGE 1
TITLE
INTERSECTION DETAILS (SHEET 5 OF 6)
MUNICIPALITY
CITY OF WHITTLESEA
PP No. 717154
DRAWING No. 3201-01-304
REVISION 0

ORIGINAL SIZE
A1



Alignment U

Point no	Easting	Northing	RL
U1	325201.342	5838486.072	199.268
U2	325203.374	5838485.842	199.261
U3	325203.843	5838485.582	199.263
U4	325205.199	5838483.880	199.279
U5	325206.471	5838483.176	199.290
U6	325209.826	5838482.796	199.316

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
U2 - U3	45.000	0.700	0.550	0.053	0.040	0.137	0.131	0.137	199.262
U4 - U5	45.000	1.900	1.492	0.145	0.108	0.371	0.356	0.373	199.284

Alignment V

Point no	Easting	Northing	RL
V1	325209.482	5838479.765	199.375
V2	325209.739	5838480.756	199.446

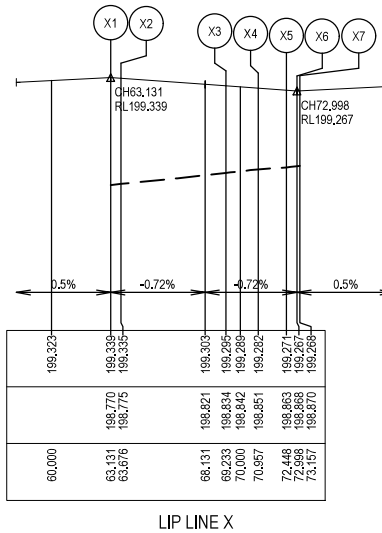
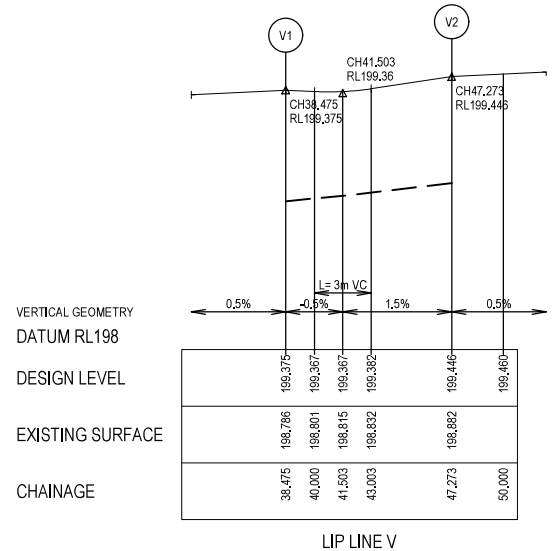
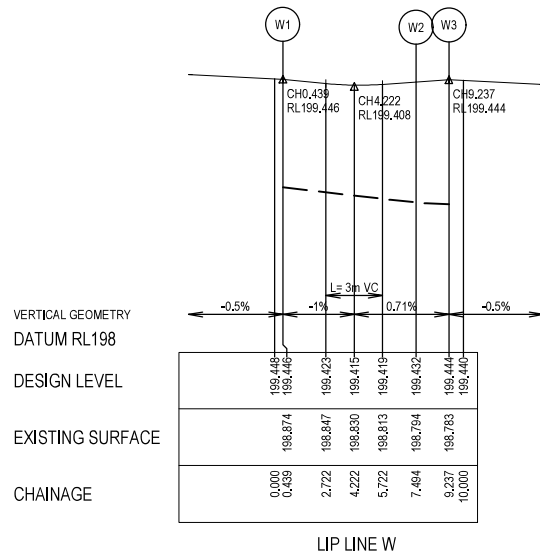
Alignment W

Point no	Easting	Northing	RL
W1	325200.289	5838476.782	199.446
W2	325207.299	5838475.987	199.432
W3	325209.030	5838475.775	199.444

Alignment X

Point no	Easting	Northing	RL
X1	325209.082	5838471.449	199.339
X2	325208.556	5838471.594	199.335
X3	325203.152	5838472.886	199.295
X4	325201.526	5838472.525	199.282
X5	325200.360	5838471.596	199.271
X6	325199.845	5838471.448	199.267
X7	325199.686	5838471.466	199.268

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
X3 - X4	51.982	1.900	1.724	0.192	0.143	0.427	0.405	0.431	199.288
X5 - X6	44.997	0.700	0.550	0.053	0.040	0.137	0.131	0.137	199.269

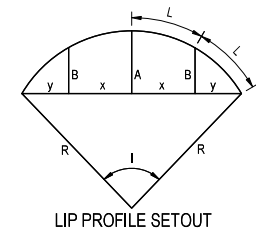


CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS838325X**

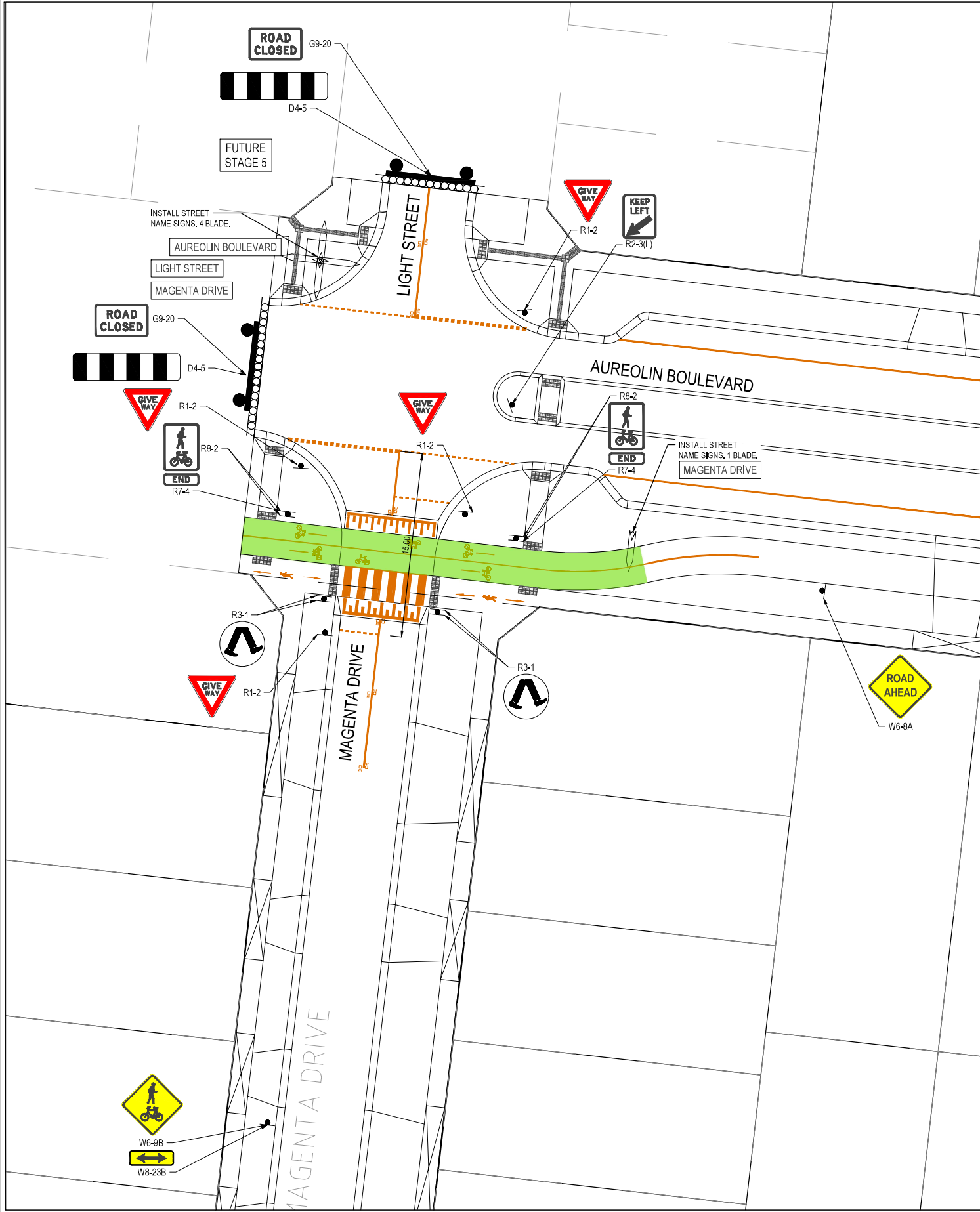
H.62
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED



LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- 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



LEGEND

HIGH FRICTION SURFACE
TREATMENT REFER
NOTE 5.

NOTES

1. RRPMS AT MAX 6m SPACING.
2. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
3. LINEMARKING IN ACCORDANCE WITH AS1742.
4. TGS TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN TO BE INSTALLED WITHIN BIKE LANES AS SHOWN ON PLANS IN ACCORDANCE WITH VICROADS STANDARD SECTION 430.
6. ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
7. ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE, LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGAUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.

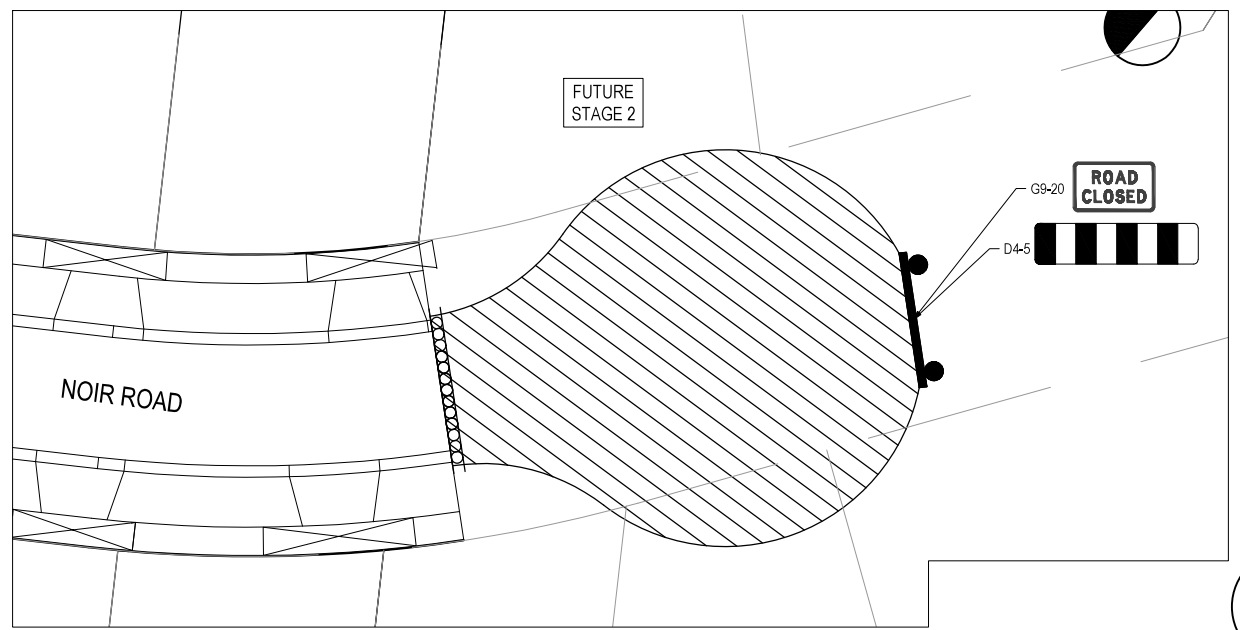
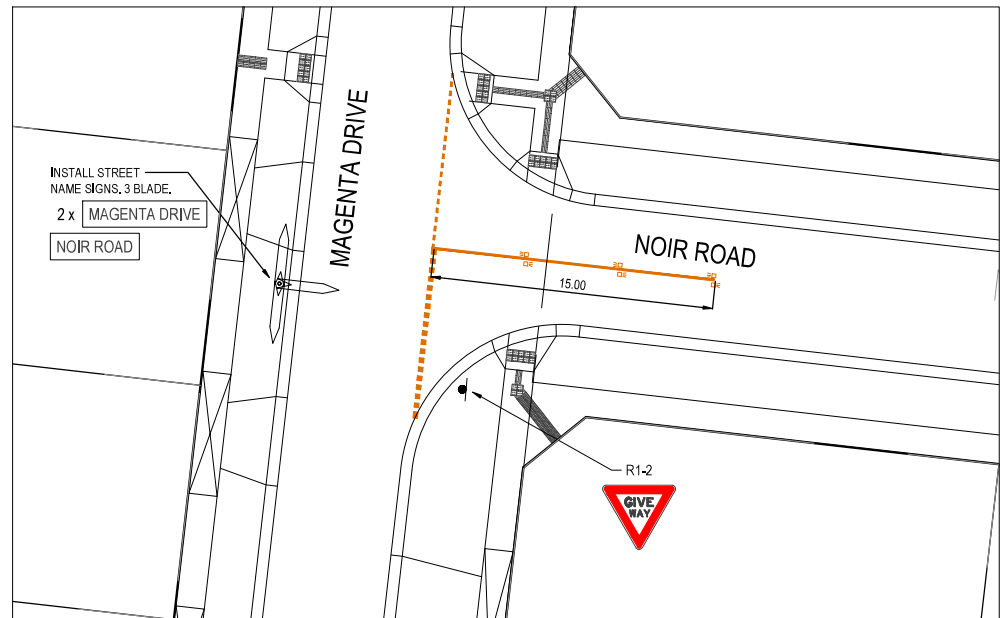
CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS838325X**

H66
DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED



0	07.06.21	MHN	<i>R. Gaud</i>	ISSUED FOR COUNCIL APPROVAL	
P2	04.02.21	JM	-	JM	COUNCIL COMMENTS
P1	30.09.20	AN	-	CD	ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	OKD	APP	AMENDMENT

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SCALE @ A1

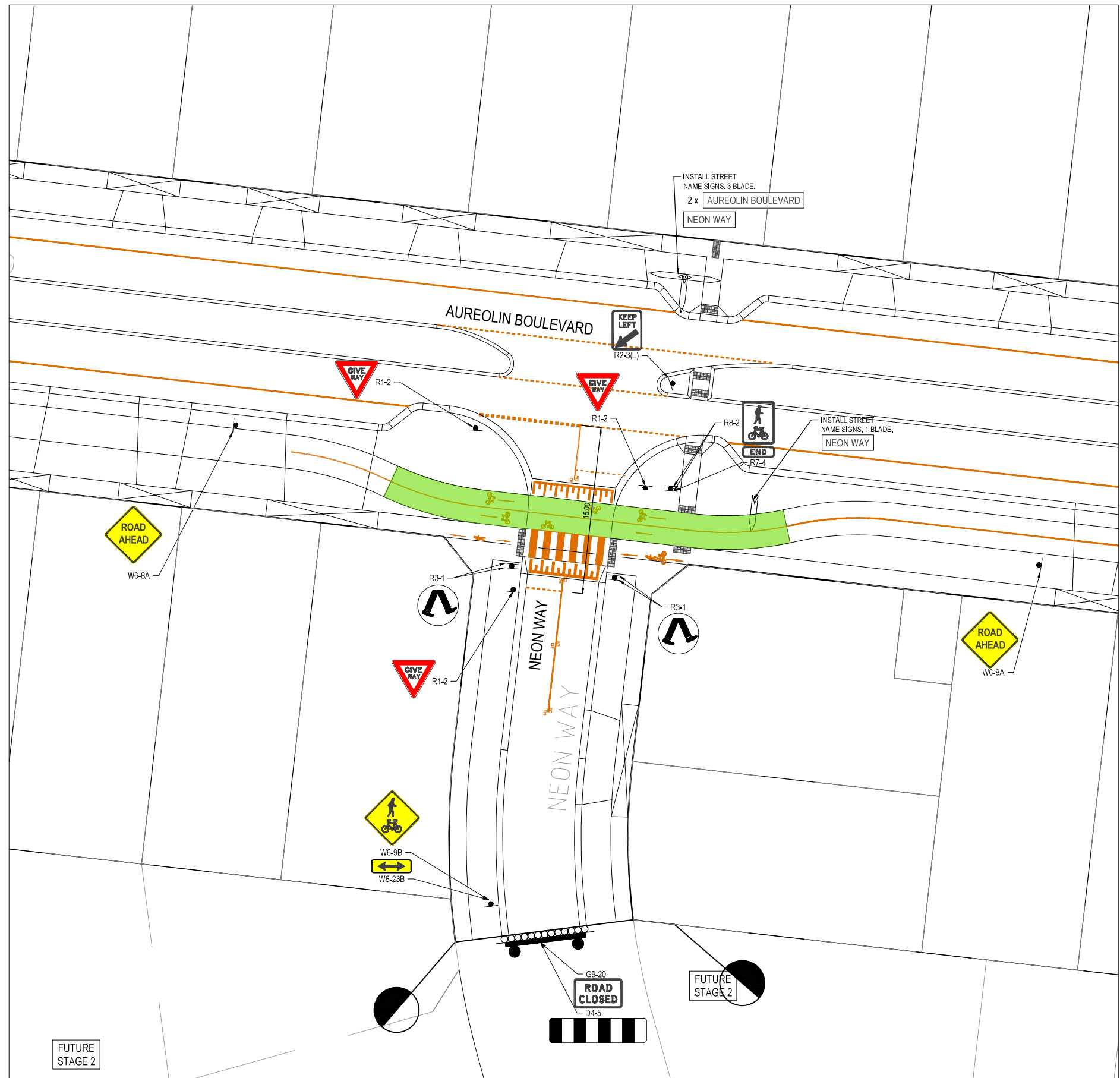
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PROJECT
THE PATCH - STAGE 1
TITLE
SIGNAGE & LINEMARKING PLANS (SHEET 1 OF 2)
MUNICIPALITY
CITY OF WHITTLESEA
PP No.
717154
DRAWING No.
3201-01-350
REVISION
0

ORIGINAL SIZE
A1



- NOTES
1. RRPMS AT MAX 6m SPACING.
 2. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 3. LINEMARKING IN ACCORDANCE WITH AS1742.
 4. TCSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
 5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN TO BE INSTALLED WITHIN BIKE LANES AS SHOWN ON PLANS IN ACCORDANCE WITH VICROADS STANDARD SECTION 430.
 6. ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
 7. ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.

LEGEND

HIGH FRICTION SURFACE TREATMENT REFER NOTE 5.

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS

APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS838325X

DEVELOPMENT ENGINEER

18/11/2021

DATE APPROVED

0	07.06.21	MHN		ISSUED FOR COUNCIL APPROVAL
P2	04.02.21	JM	-	JM COUNCIL COMMENTS
P1	30.09.20	AN	-	CD ISSUED FOR COUNCIL SUBMISSION
REV	DATE	DRN	OKD	APP AMENDMENT

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APPROVED

08.06.21

DESIGNED


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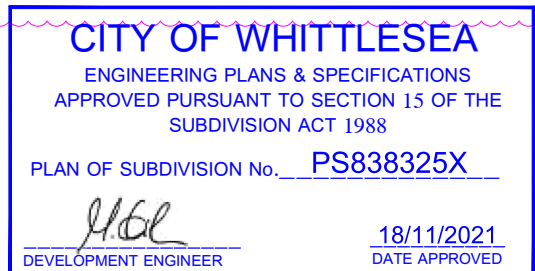
SCALE

AS SHOWN

PROJECT	THE PATCH - STAGE 1
TITLE	SIGNAGE & LINEMARKING PLANS (SHEET 2 OF 2)
MUNICIPALITY	CITY OF WHITTLESEA
PP No.	717154
DRAWING No.	3201-01-351
REVISION	0

ORIGINAL SIZE
A1

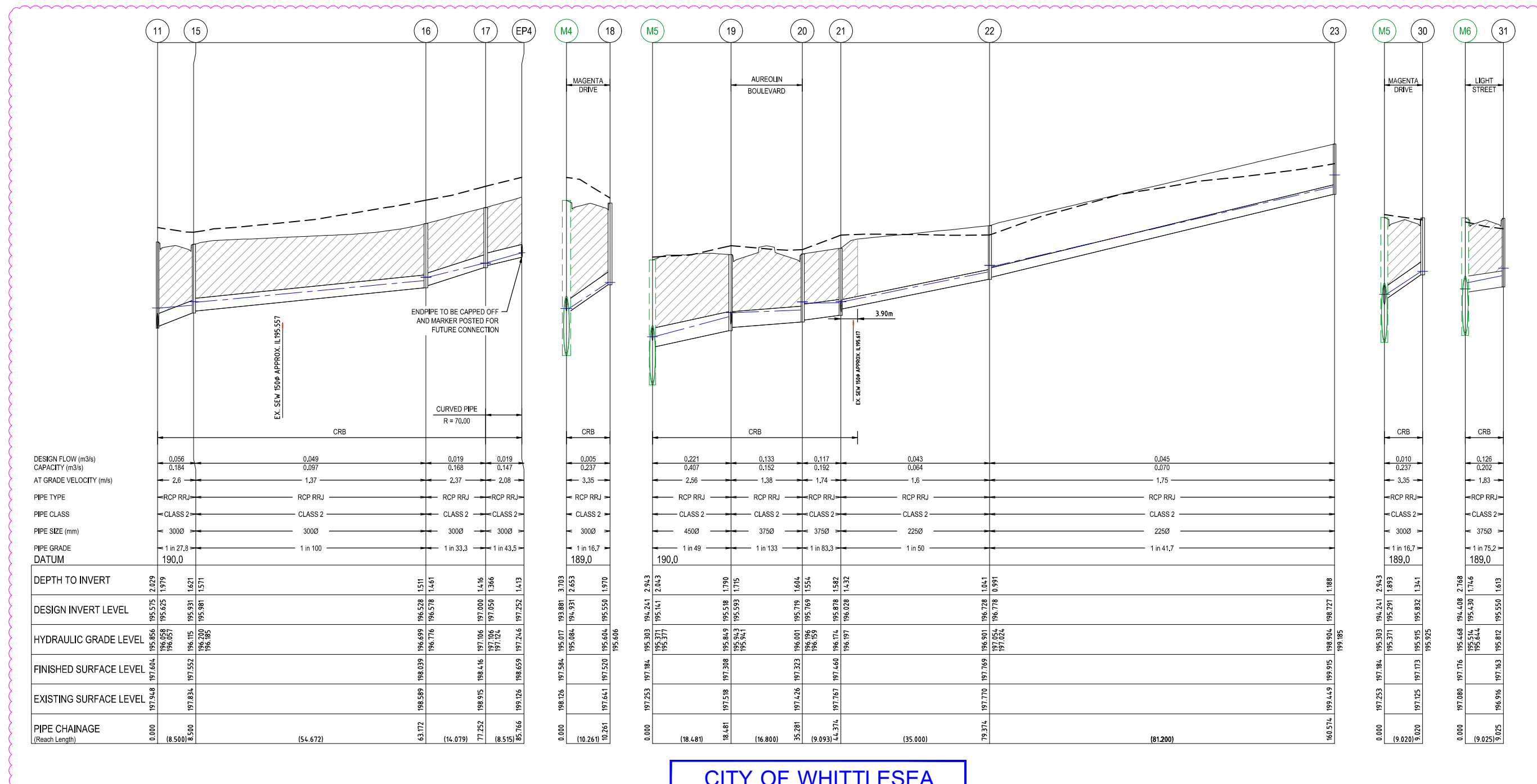
LEGEND	
————	EXISTING SURFACE
————	DESIGN SURFACE
————	DRAINAGE PIPE/PIT
————	EXISTING DRAINAGE PIPE/PIT
————	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.



3	16.11.21	KCL	<i>Emel</i>	GENERAL AMENDMENT	<div>NOTE: THIS ENGINEERING DRAWING HAS BEEN BASED UPON DESIGNS INITIALLY DOCUMENTED BY BEVERIDGE WILLIAMS COSSILL & WEBLEY CONSULTING ENGINEERS HAS MADE MINOR AMENDMENTS TO THIS DRAWING FROM REVISION 0 ONWARDS. PLEASE DIRECT ALL DESIGN ENQUIRIES TO COSSILL & WEBLEY</div> <div>FOR CONSTRUCTION</div>	<div>H 1:500 V 1:50</div> <div></div>	<div><div>COPYRIGHT</div><div>The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.</div><div><div><div>CW</div><div>Cossill & Webley</div><div>CONSULTING ENGINEERS</div></div><div><div>Mailing Address</div><div>PO Box 33152 Melbourne VIC 3004 T (03) 8548 1560</div><div><div>Street Address</div><div>Suite 2.04, 390 St Kilda Road Melbourne VIC 3004 E melbourne@cossweb.com.au</div></div></div></div></div>	CLIENT		PROJECT	THE PATCH - STAGE 1		
2	03.11.21	KCL	B. J-MONCK	RELOCATED PIT M3				TITLE	DRAINAGE LONGITUDINAL SECTIONS				
1	26.07.21	KCL	B. J-MONCK	REMOVED HW PIT NUMBER				MUNICIPALITY	CITY OF WHITTLESEA				
0	07.06.21	MHN	B. J-MONCK	ISSUED FOR CONSTRUCTION				PP No.	717154	DRAWING No.	3201-01-400	REVISION	3
REV	DATE	DRN	CKD	APP				AMENDMENT	APPROVED	DESIGNED	C&W	SCALE	AS SHOWN

NOTES:
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 RCP R.R.J. PIPES UNLESS NOTED OTHERWISE.

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PT
	EXISTING DRAINAGE PIPE/PT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FOR BACKFILL.

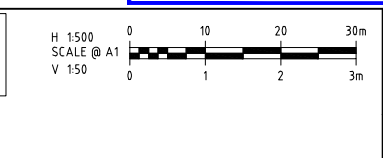


CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS838325X
[Signature]
DEVELOPMENT ENGINEER
18/11/2021
DATE APPROVED

REV	DATE	DRN	CKD	APP	AMENDMENT
2	16.11.21	KCL	<i>[Signature]</i>		GENERAL AMENDMENT
1	26.07.21	KCL	KCL	B. J.-MONCK	RENUMBERED MW PIT NUMBER
0	07.06.21	MHN	KCL	B. J.-MONCK	ISSUED FOR CONSTRUCTION

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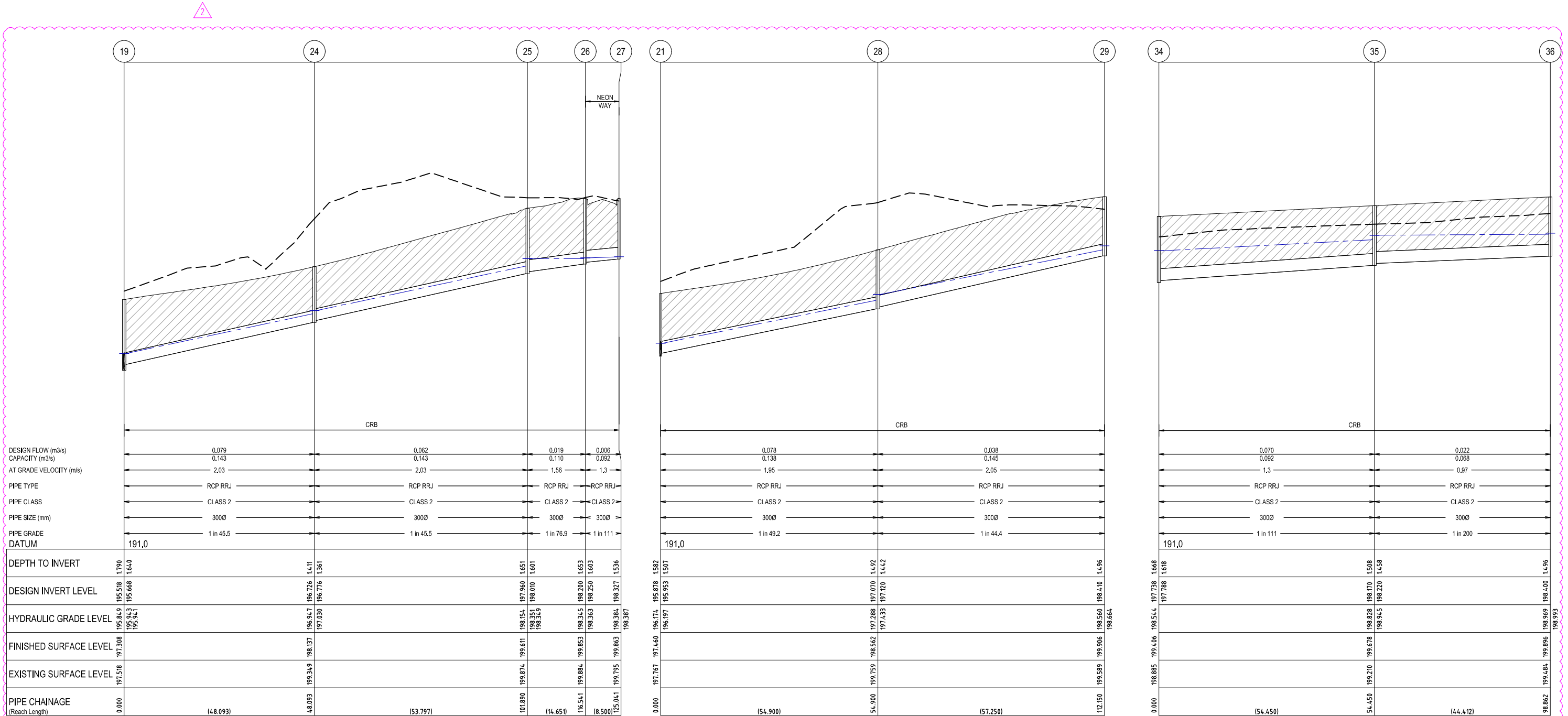
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SCALE
AS SHOWN

PROJECT	THE PATCH - STAGE 1		
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 5)		
MUNICIPALITY	CITY OF WHITTLESEA		
PP No.	717154	DRAWING No.	3201-01-401
REVISION	2		

ORIGINAL SIZE
A1

NOTES:
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LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.





CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS838325X

DEVELOPMENT ENGINEER

18/11/2021
DATE APPROVED

2	16.11.21	KCL			GENERAL AMENDMENT
1	26.07.21	KCL	KCL	B. J.-MONCK	RENUMBERED MW PIT NUMBER
0	07.06.21	MHN	KCL	B. J.-MONCK	ISSUED FOR CONSTRUCTION
REV	DATE	DRN	CKD	APP	AMENDMENT

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SCALE @ A1
V 1:50



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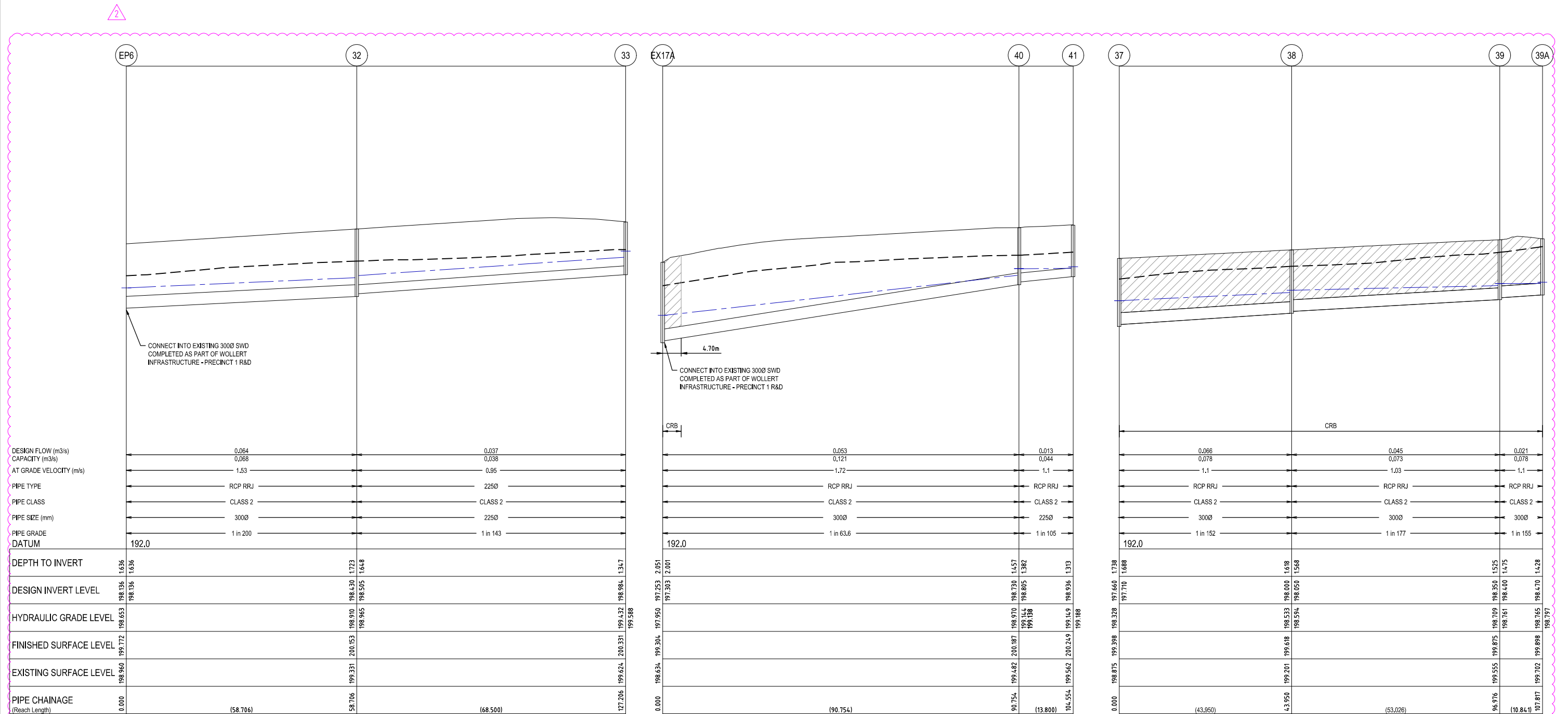
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APPROVED	
DESIGNED	C&W
SCALE	AS SHOWN

PROJECT	THE PATCH - STAGE 1
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 5)
MUNICIPALITY	CITY OF WHITTLESEA
PP No.	717154
DRAWING No.	3201-01-402
REVISION	2

ORIGINAL SIZE
A1

NOTES:
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LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PT
	EXISTING DRAINAGE PIPE/PT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.



CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS838325X

H. G. L.

DEVELOPMENT ENGINEER

18/11/2021

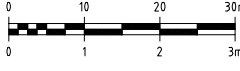
DATE APPROVED

2	16.11.21	KCL	<i>B. J. MONCK</i>	<i>B. J. MONCK</i>	GENERAL AMENDMENT
1	26.07.21	KCL	KCL	B. J.-MONCK	RENUMBERED MW PIT NUMBER
0	07.06.21	MHN	KCL	B. J.-MONCK	ISSUED FOR CONSTRUCTION
REV	DATE	DRN	CKD	APP	AMENDMENT

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SCALE @ A1
V 1:50



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JINDING

APPROVED

B. J. MONCK

DESIGNED

C & W
SCALE
AS SHOWN

PROJECT

THE PATCH - STAGE 1

TITLE

DRAINAGE LONGITUDINAL SECTIONS
(SHEET 4 OF 5)
CITY OF WHITTLESEA

MUNICIPALITY

CITY OF WHITTLESEA

PP No.

717154

DRAWING No.

3201-01-403

REVISION

2

ORIGINAL
SIZE
A1

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS838325X

DEVELOPMENT ENGINEER



18/11/2021
DATE APPROVED

PIT SCHEDULE

PIT NAME	TYPE	INTERNAL		INLET		OUTLET		PIT	DEPTH	STD DWG	REMARKS
		WIDTH	LENGTH	DIA	INV RL	DIA	INV RL				
7	JUNCTION PIT	600	900	375	194.834	375	194.784	197.553	2.769	REFER TO EDCM FIG. 605	
8	JUNCTION PIT	600	900	375	194.991	375	194.941	197.108	2.167	REFER TO EDCM FIG. 605	
9	JUNCTION PIT	600	900	300	195.320	375	195.245	196.863	1.618	REFER TO EDCM FIG. 605	
10	JUNCTION PIT	600	900	-	-	300	195.630	196.675	1.045	REFER TO EDCM FIG. 605	
11	GRATED ENTRY PIT	600	900	300	195.625	300	195.575	197.604	2.029	REFER TO EDCM FIG. 601	
				300	195.625						
12	JUNCTION PIT	600	900	225	196.184	300	196.109	197.702	1.593	REFER TO EDCM FIG. 605	
				300	196.159						
13	GRATED ENTRY PIT	600	900	300	196.791	300	196.741	198.039	1.298	REFER TO EDCM FIG. 601	
TP6	TAGENT POINT	-	-	300	196.903	300	196.903	198.160	1.257	-	
EP3	END PIPE	-	-	-	-	300	197.339	198.625	1.286	-	CAPPED OFF AND MARKER POSTED FOR FUTURE EXTENSION.
14	JUNCTION PIT	600	900	225	196.602	225	196.552	198.022	1.470	REFER TO EDCM FIG. 605	
EP2	END PIPE	-	-	-	-	225	197.458	198.876	1.418	-	END PIPE EXTENDED 2.0m BEYOND BOUNDARY FOR FUT. EXTENSION. TO BE CAPPED OFF AND MARKER POSTED.
15	GRATED ENTRY PIT	600	900	300	195.981	300	195.931	197.552	1.621	REFER TO EDCM FIG. 601	
16	GRATED ENTRY PIT	600	900	300	196.578	300	196.528	198.039	1.511	REFER TO EDCM FIG. 601	
17	JUNCTION PIT	600	900	300	197.050	300	197.000	198.416	1.416	REFER TO EDCM FIG. 605	
EP4	END PIPE	-	-	-	-	300	197.246	198.658	1.412	-	CAPPED OFF AND MARKER POSTED FOR FUTURE EXTENSION.
18	GRATED ENTRY PIT	600	900	-	-	300	195.550	157.520	1.970	REFER TO EDCM FIG. 601	
19	GRATED ENTRY PIT	600	900	375	195.593	450	195.518	197.308	1.79	REFER TO EDCM FIG. 601	
				300	195.668						
20	GRATED ENTRY PIT	600	900	375	195.769	375	195.719	197.323	1.604	REFER TO EDCM FIG. 601	
21	JUNCTION PIT	600	900	225	196.028	375	195.878	197.460	1.582	REFER TO EDCM FIG. 605	
				300	195.953						
22	JUNCTION PIT	600	900	225	196.778	225	196.728	197.769	1.041	REFER TO EDCM FIG. 605	
23	JUNCTION PIT	600	900	-	-	225	198.727	199.915	1.188	REFER TO EDCM FIG. 605	
24	GRATED ENTRY PIT	600	900	300	196.776	300	196.726	198.137	1.411	REFER TO EDCM FIG. 601	
25	JUNCTION PIT	600	900	300	198.010	300	197.960	199.611	1.651	REFER TO EDCM FIG. 605	
26	GRATED ENTRY PIT	600	900	300	198.250	300	198.200	199.853	1.653	REFER TO EDCM FIG. 601	
27	GRATED ENTRY PIT	600	900	-	-	300	198.327	199.863	1.536	REFER TO EDCM FIG. 601	
28	GRATED ENTRY PIT	600	900	300	197.120	300	197.070	198.562	1.492	REFER TO EDCM FIG. 601	
29	JUNCTION PIT	600	900	-	-	300	18.410	199.906	1.496	REFER TO EDCM FIG. 605	
30	DOUBLE GRATED ENTRY PIT	600	900	-	-	300	195.832	197.173	1.341	REFER TO EDCM FIG. 602	
31	GRATED ENTRY PIT	600	900	-	-	375	195.550	197.163	1.613	REFER TO EDCM FIG. 601	PROVIDE AN OPENING ON THE NORTH WALL FOR 3/500 RCP IL105. 600. BLOCK HOLE WITH A TIMBER PLANK.
EP6	END PIPE	-	-	300	198.136	EX300	198.136	199.772	1.636	-	CONNECT TO EXISTING 3000 SWD END PIPE.
32	JUNCTION PIT	600	900	225	198.505	300	198.430	200.153	1.723	REFER TO EDCM FIG. 605	
33	JUNCTION PIT	600	900	-	-	225	198.984	200.331	1.347	REFER TO EDCM FIG. 605	
34	GRATED ENTRY PIT	600	900	300	197.788	EX300	197.738	199.406	1.668	REFER TO EDCM FIG. 601	NEW PIT TO PROVIDE CONNECTION TO EXISTING 3000 SWD END PIPE.
35	GRATED ENTRY PIT	600	900	300	198.220	300	198.170	199.678	1.508	REFER TO EDCM FIG. 601	
36	GRATED ENTRY PIT	600	900	-	-	300	198.400	199.896	1.496	REFER TO EDCM FIG. 601	
37	GRATED ENTRY PIT	600	900	300	197.710	EX300	197.660	199.398	1.738	REFER TO EDCM FIG. 601	PROVIDE CLASS D HEAVY DUTY COVER. NEW PIT TO PROVIDE CONNECTION TO EXISTING 3000 SWD END PIPE.
38	GRATED ENTRY PIT	600	900	300	198.050	300	198.000	199.618	1.618	REFER TO EDCM FIG. 601	
39	GRATED ENTRY PIT	600	900	300	198.400	300	198.350	199.875	1.525	REFER TO EDCM FIG. 601	
39A	GRATED ENTRY PIT	600	900	-	-	300	198.470	199.899	1.428	REFER TO EDCM FIG. 601	
EX17A	JUNCTION PIT	600	900	300	197.303	EX300	197.253	199.304	2.051	REFER TO EDCM FIG. 605	NEW PIT TO PROVIDE CONNECTION TO EXISTING 3000 SWD END PIPE.
40	JUNCTION PIT	600	900	225	198.805	300	198.730	200.187	1.457	REFER TO EDCM FIG. 605	
41	JUNCTION PIT	600	900	-	-	225	198.936	200.249	1.313	REFER TO EDCM FIG. 605	

REFER TO MAIN DRAIN DRAWING 4535/28/830 FOR MW PIT DETAILS.

2

2	16.11.21	KCL			GENERAL AMENDMENT
1	26.07.21	KCL	KCL	B. J-MONCK	RENUMBERED MW PIT NUMBER
0	07.06.21	MHN	KCL	B. J-MONCK	ISSUED FOR CONSTRUCTION
REV	DATE	DRN	CKD	APP	AMENDMENT

NOTE: THIS ENGINEERING DRAWING HAS BEEN BASED UPON DESIGNS INITIALLY DOCUMENTED BY BEVERIDGE WILLIAMS. COSSILL & WEBLEY CONSULTING ENGINEERS HAS MADE MINOR AMENDMENTS TO THIS DRAWING FROM REVISION 0 ONWARDS. PLEASE DIRECT ALL DESIGN ENQUIRIES TO COSSILL & WEBLEY

FOR CONSTRUCTION

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CLIENT



APPROVED

DESIGNED

C&W

SCALE

AS SHOWN

PROJECT

THE PATCH - STAGE 1

TITLE

DRAINAGE LONGITUDINAL SECTIONS
(SHEET 5 OF 5) & PIT SCHEDULE

MUNICIPALITY

CITY OF WHITTLESEA

PPNo.

717154

DRAWING No.

3201-01-404

REVISION

2

ORIGINAL
SIZE
A1