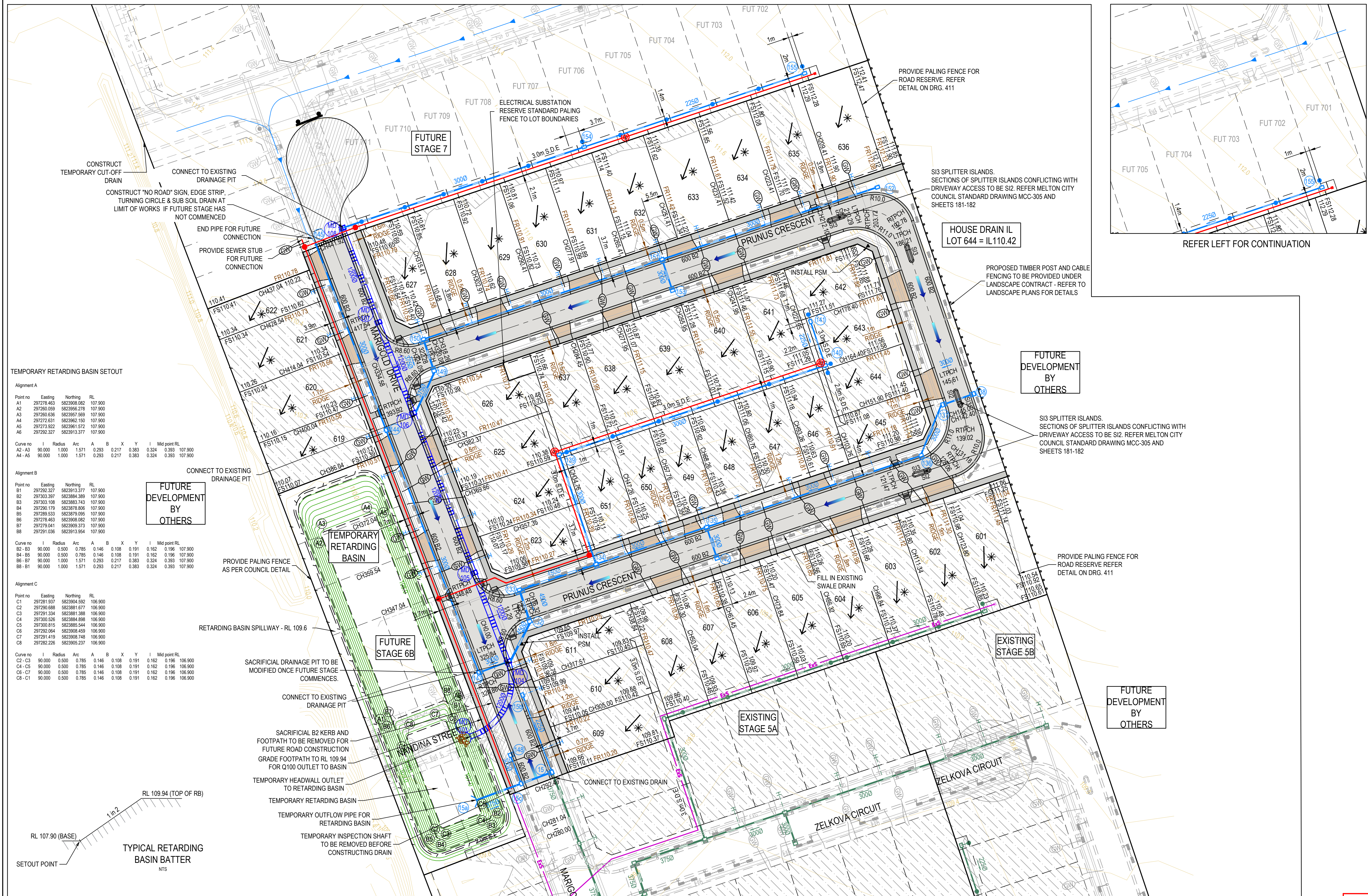




ROAD LAYOUT TABLE									
ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP TO LIP	INV TO INV	BACK TO BACK	NTHWEST	STHEAST	NTHWEST	STHEAST
MARIGOLD DRIVE (LOTS 601-608, 629-651)	AS	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.35
PRUNUS CRESCENT (LOTS 601-608, 627-641, 646-651)	AS	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.35
PRUNUS CRESCENT (LOTS 642-645)	AS	14.50	6.40	7.30	7.60	600 B2	600 B2	5.20	2.00
NANDINA STREET (FUTURE)	AS	16.00	6.40	7.30	7.60	600 B2	600 B2	4.35	4.35

SERVICES OFFSET TABLE				
ROAD NAME	GAS	WATER	ELECTRICITY	OPTIC FIBRE
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)
MARIGOLD DRIVE (LOTS 601-608, 629-651)	2.00 W	2.50 W	2.60 E	1.90 E
PRUNUS CRESCENT (LOTS 601-608, 627-641, 646-651)	2.00 N	2.50 N	2.60 S	1.90 S
PRUNUS CRESCENT (LOTS 642-645)	2.00 W	2.50 W	4.00 W	3.50 W
NANDINA STREET (FUTURE)	2.00 N	2.50 N	2.60 S	1.90 S

NATURAL SURFACE LEVELS FOR THE LOTS HAVE BEEN ADAPTED FROM CMW REPORT MEL2021-0073AB Rev1, AND TO BE AMENDED ONCE FINAL EARTH RECTIFICATION HAS BEEN UNDERTAKEN ON SITE AND AREA RE-SURVEYED.

WARNING
BEWARE OF UNDERGROUND SERVICES

The locations of underground services are approximate only and their exact position should be proven on site.

No guarantee is given that all existing services are shown.

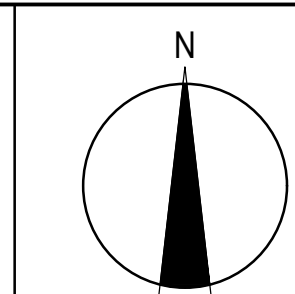
Locate all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG

www.1100.com.au

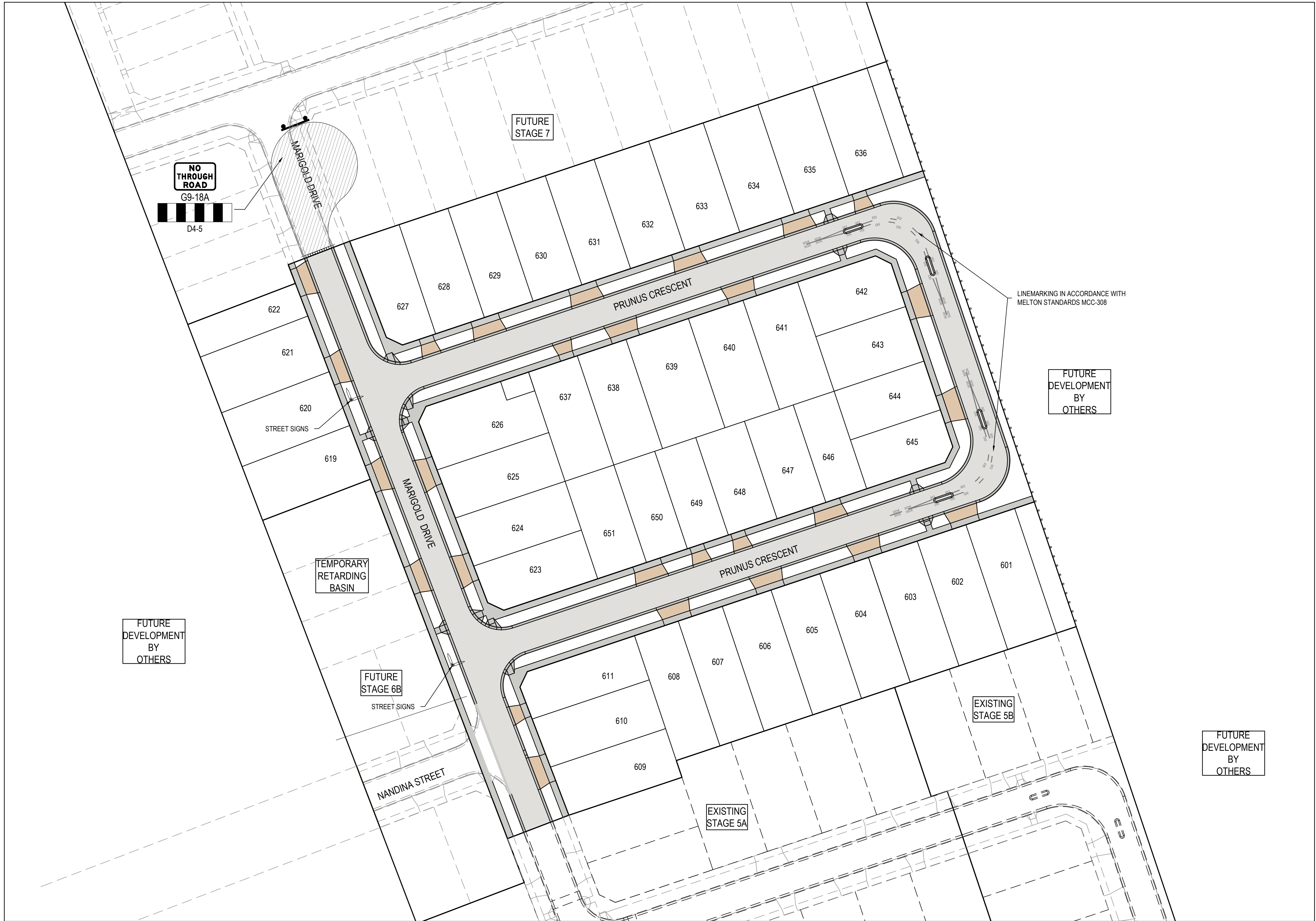
AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



Botania - Stage 6A
Melton City Council
Road and Drainage
Layout Plan

MELWAYS REF 355 G5	PROJECT / DRAWING No. 3070E-06A-111	SHEET No. 02 of 17	REVISION 3
------------------------------	---	------------------------------	----------------------



- NOTES**
- 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACING.
 - RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL MANUAL VOL 2.
 - ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

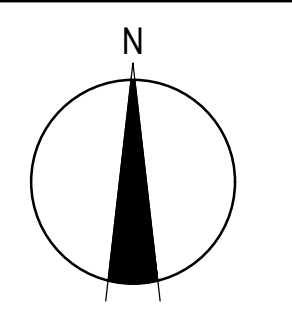
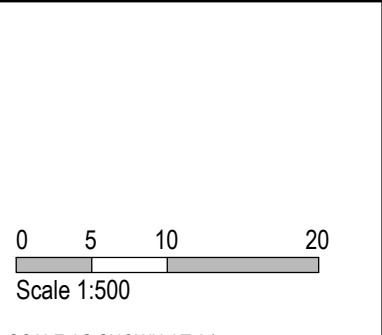
WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS
The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



PLAN OF SUB. NO.
PS847502B
PERMIT REF. NO.
PA2018/6004/1

AS CONSTRUCTED

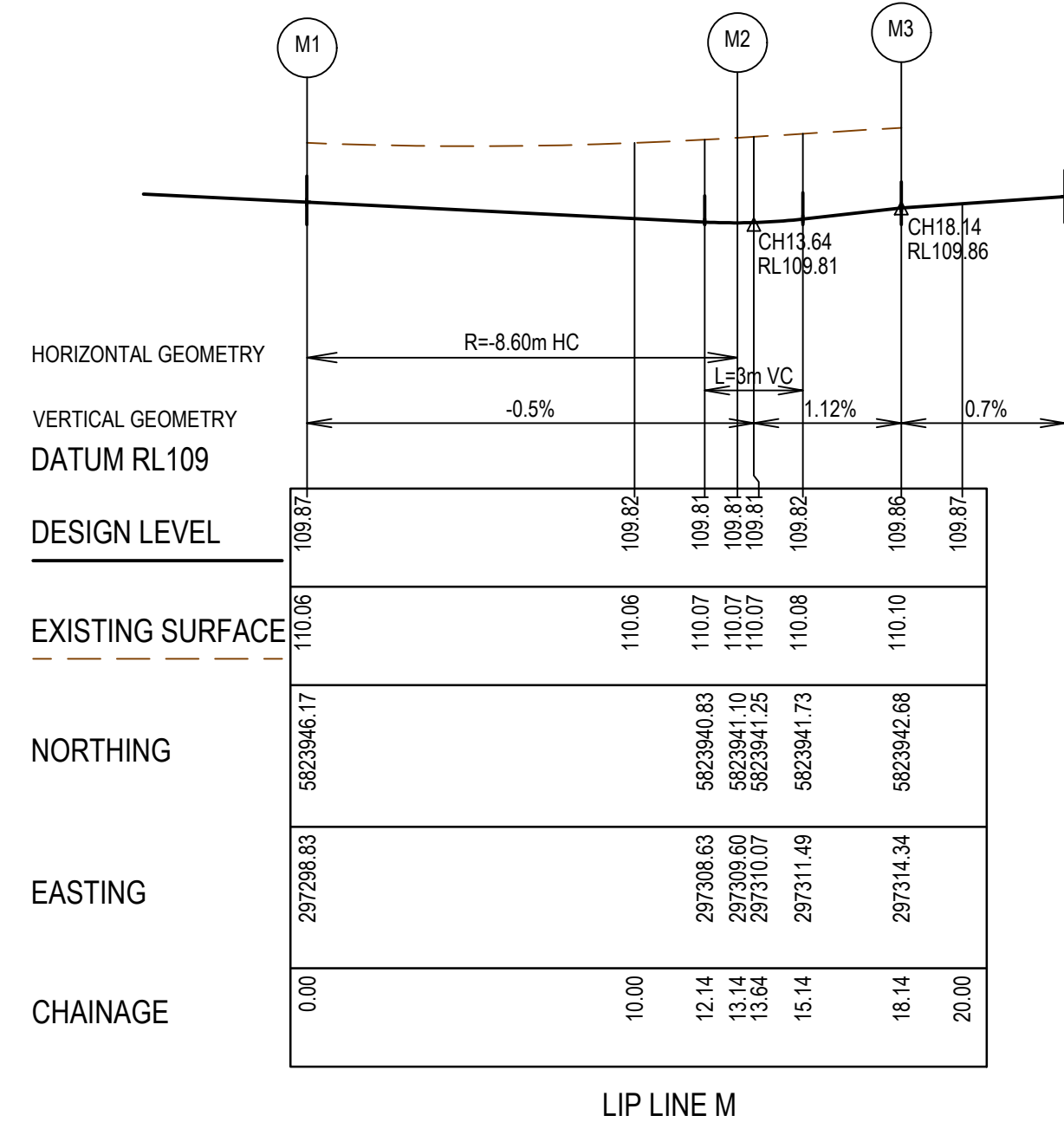
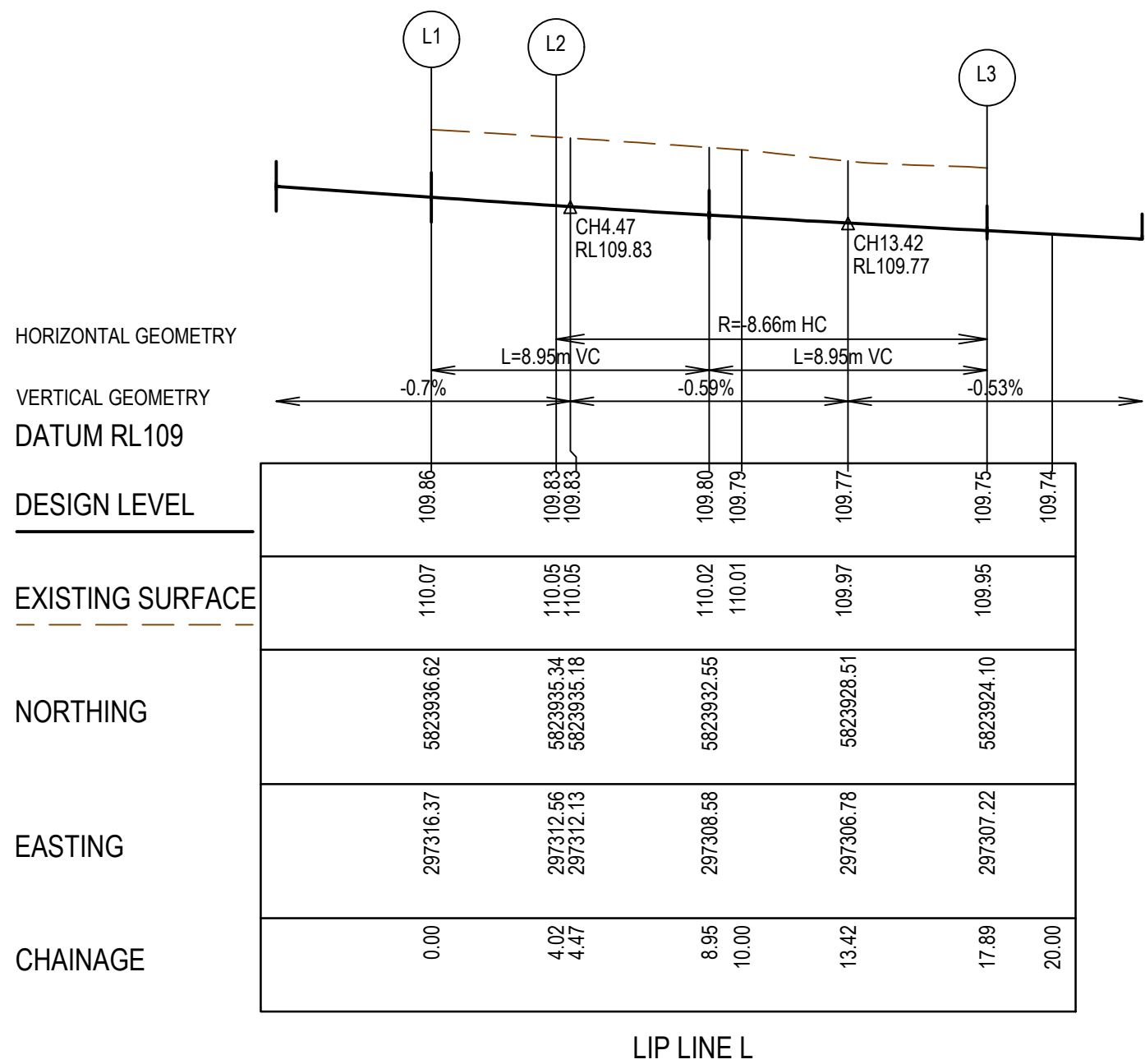
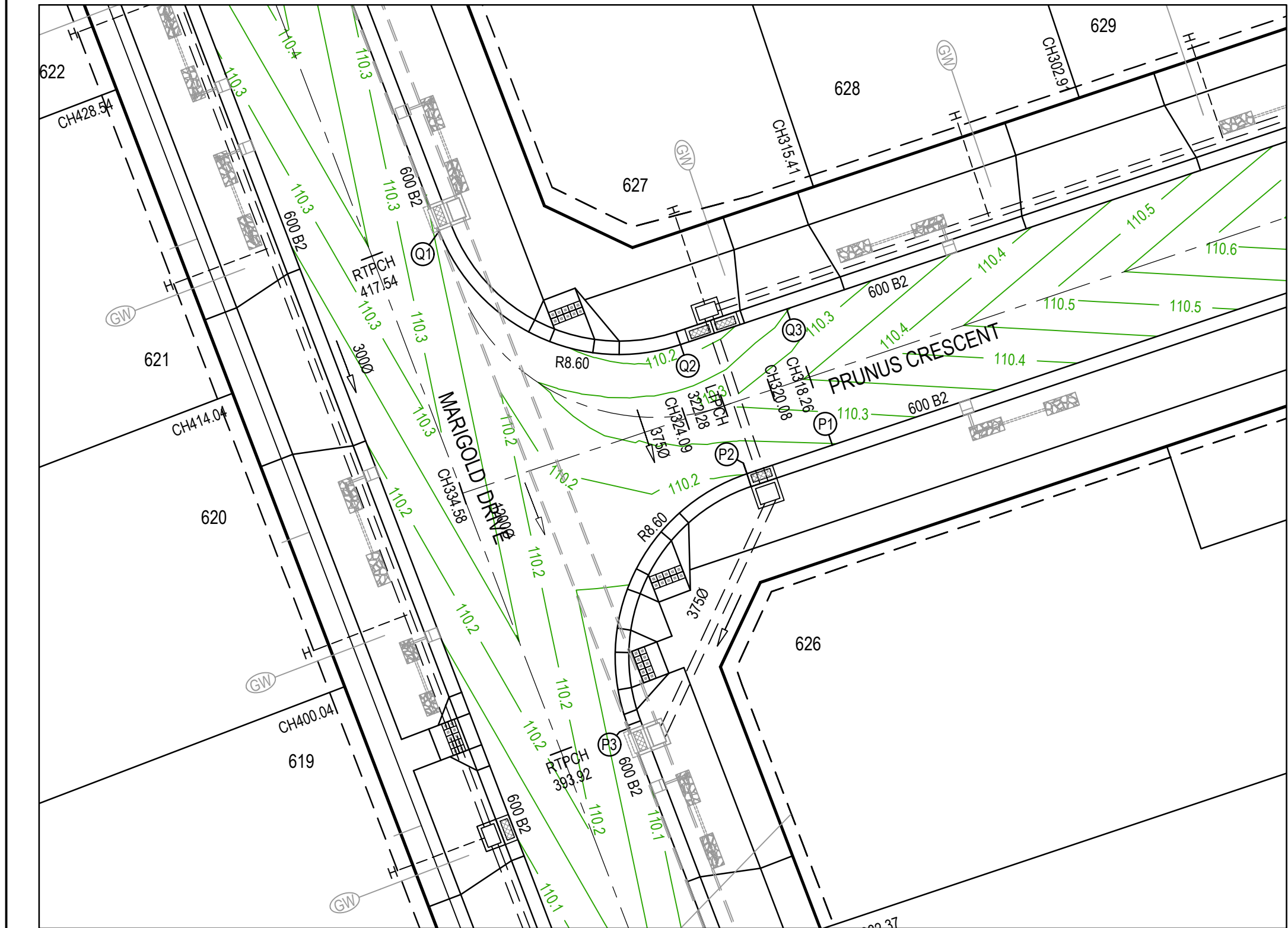
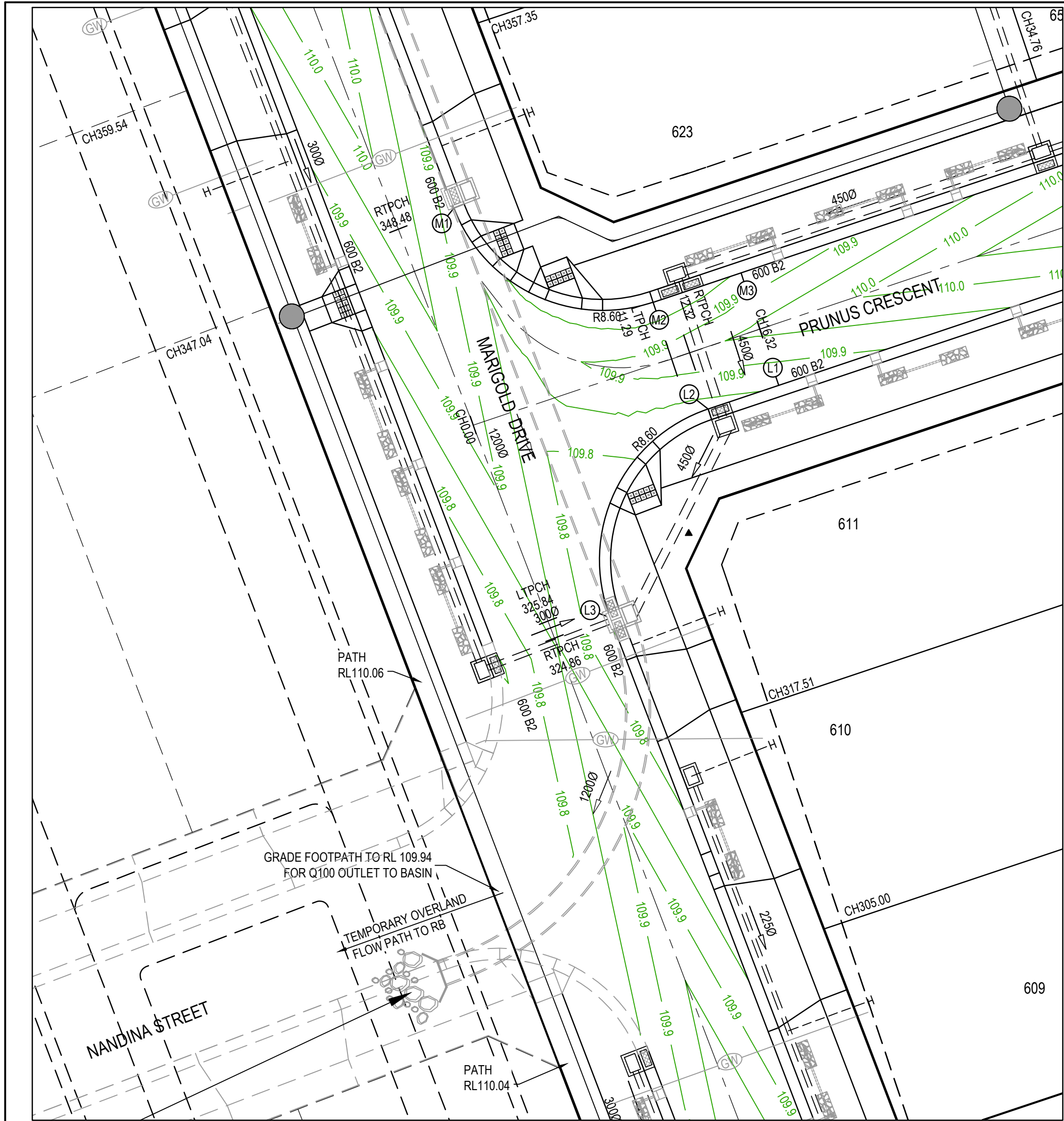


SMEC
Member of the Surbana Jurong Group
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500



Botania - Stage 6A
Melton City Council
Road and Drainage
Signage & Linemarking Plan

MELWAYS REF 355 G5	PROJECT / DRAWING No. 3070E-06A-171	SHEET No. 03 of 17	REVISION 1
------------------------------	---	------------------------------	----------------------



LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, NO ROAD SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

ALIGNMENT

ALIGNMENT L

POINT NO	EASTING	NORTHING	RL
L1	297316.369	5823936.615	109.857
L2	297312.561	5823935.340	109.830
L3	297307.221	5823924.103	109.749

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
L2 - L3	91.765	8.665	13.878	2.633	1.948	3.378	2.843	3.469	109.788

ALIGNMENT M

POINT NO	EASTING	NORTHING	RL
M1	297298.835	5823946.174	109.875
M2	297309.596	5823941.097	109.812
M3	297314.337	5823942.684	109.857

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
M1 - M2	87.545	8.600	13.140	2.390	1.770	3.206	2.744	3.285	109.842

ALIGNMENT P

POINT NO	EASTING	NORTHING	RL
P1	297291.732	5824001.131	110.247
P2	297287.923	5823999.856	110.201
P3	297282.703	5823988.536	110.115

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
P2 - P3	93.810	8.536	13.976	2.704	1.999	3.397	2.836	3.494	110.152

ALIGNMENT Q

POINT NO	EASTING	NORTHING	RL
Q1	297274.234	5824010.714	110.241
Q2	297284.959	5824005.612	110.177
Q3	297289.700	5824007.200	110.247

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
Q1 - Q2	88.255	8.529	13.138	2.407	1.782	3.204	2.735	3.284	110.208

NOTES

- ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
- ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
- VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.

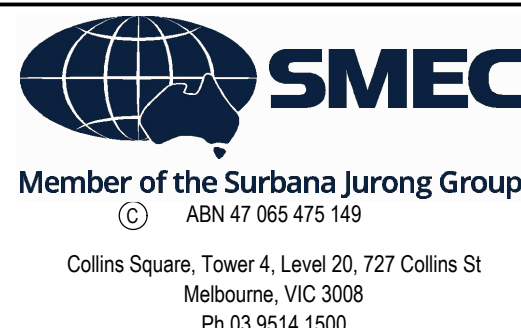
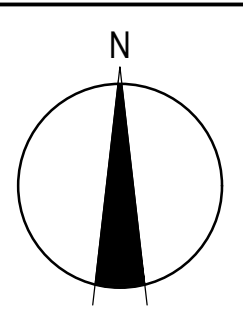
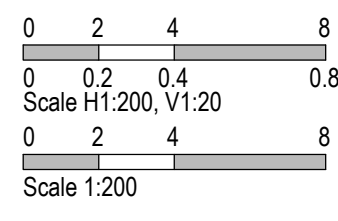
AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



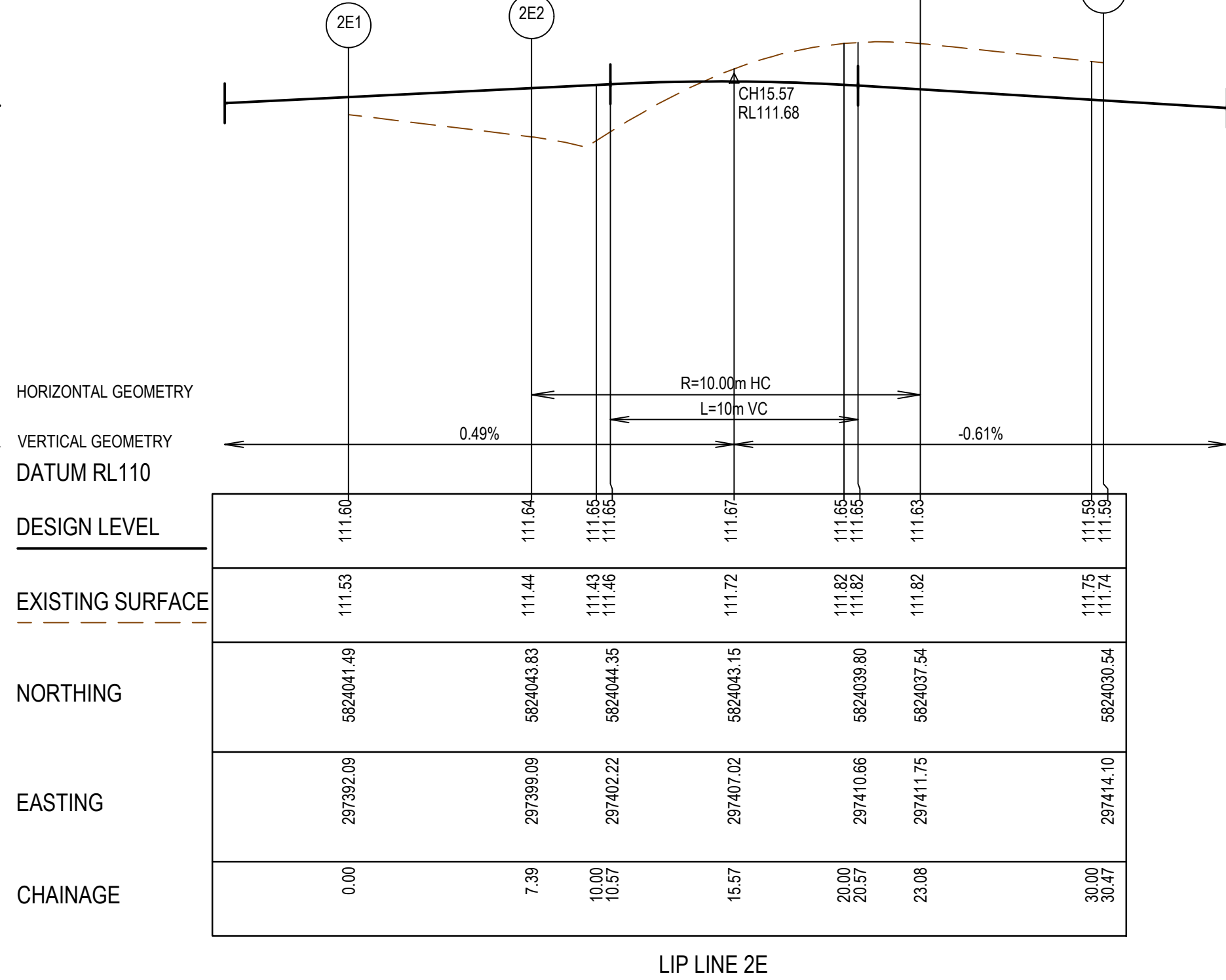
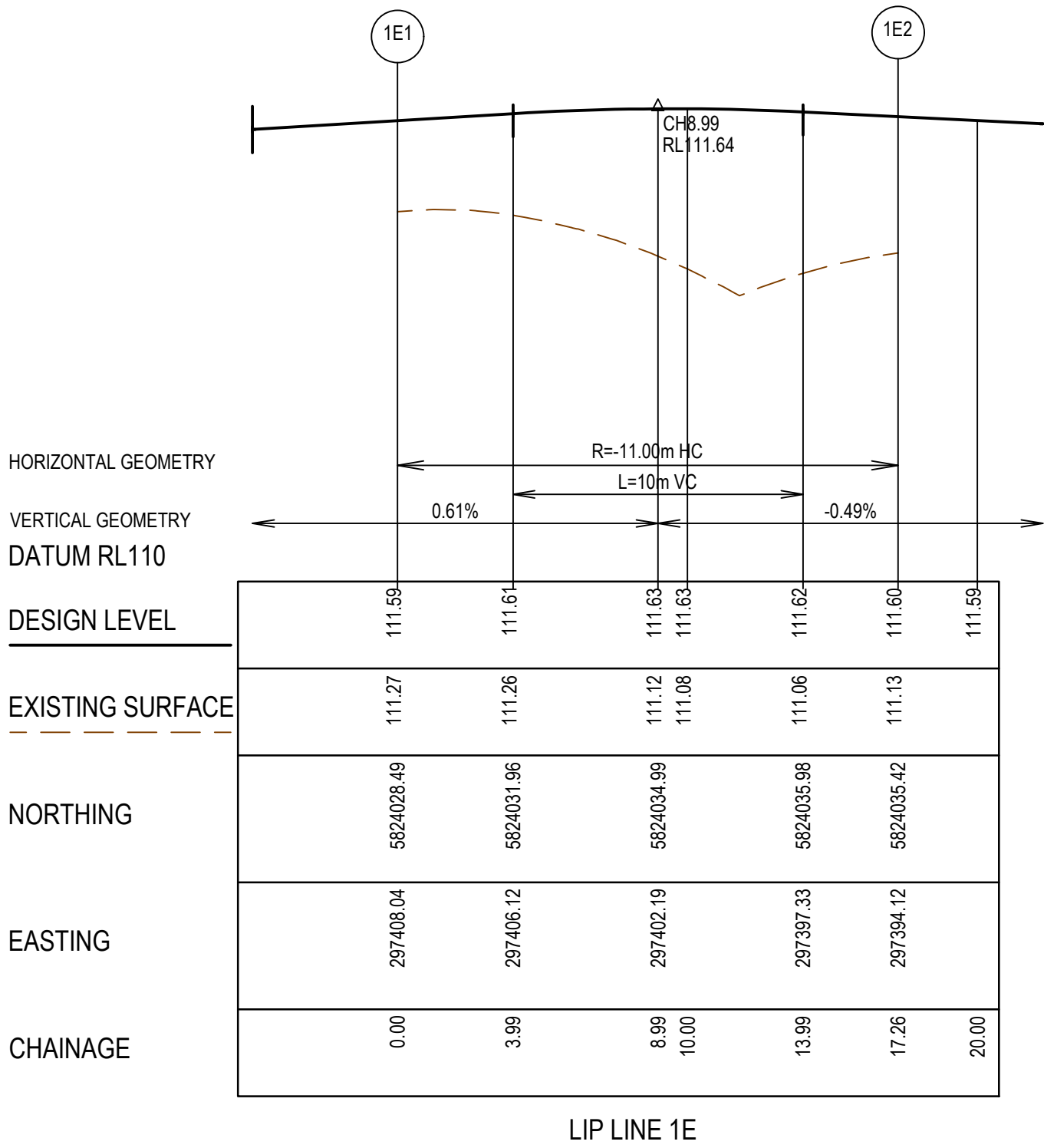
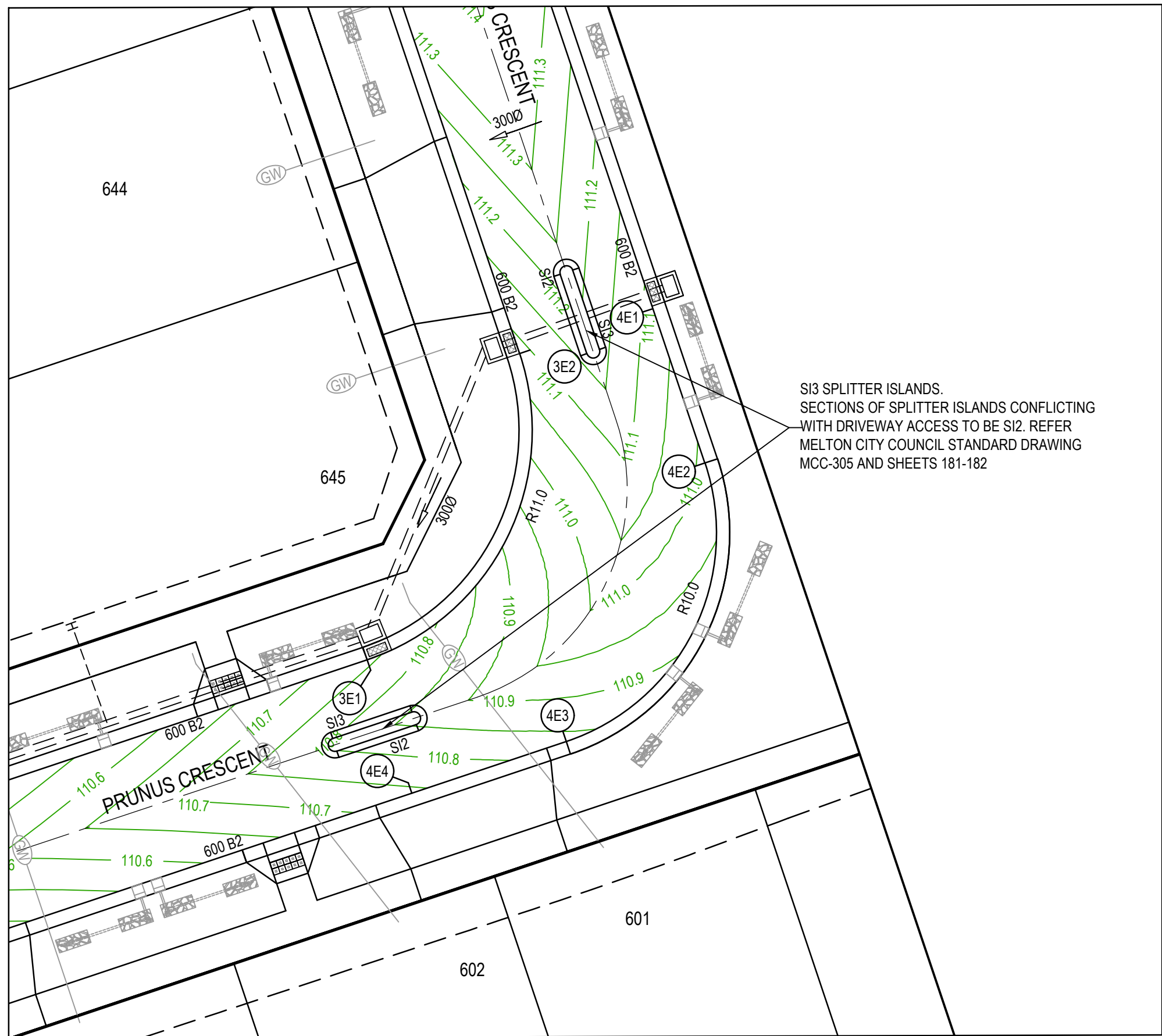
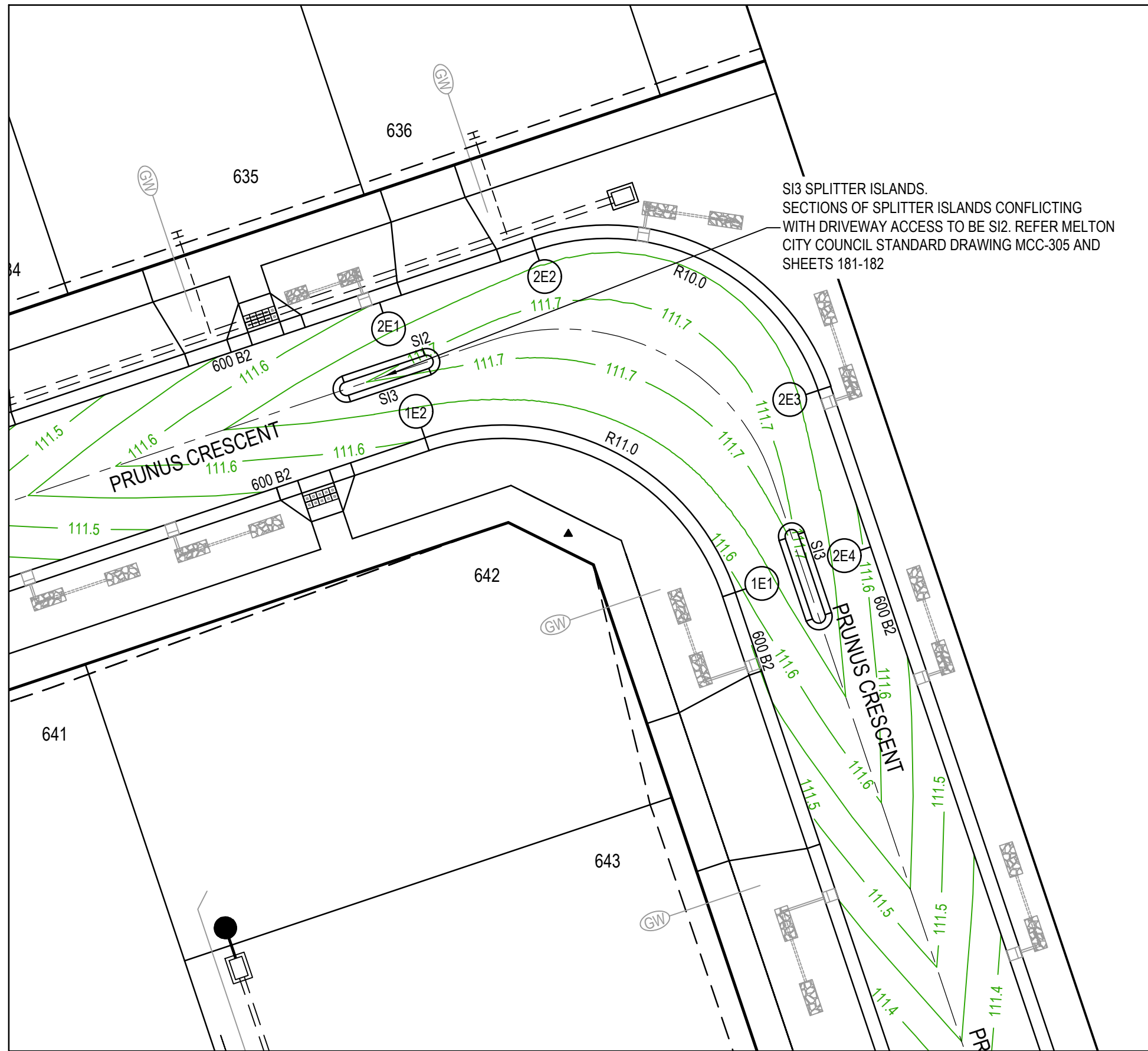
AS CONSTRUCTED

PLAN OF SUB. NO.
PS847502B
PERMIT REF. NO.
PA2018/6004/1



Botania - Stage 6A
Melton City Council
Road and Drainage
Intersection Detail Plan - 1

MELBOURNE REF	PROJECT / DRAWING NO.	SHEET NO.	REVISION
355 G5	3070E-06A-181	04 of 17	1



LEGEND - INTERSECTION DETAIL PLAN
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, NO ROAD SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

ALIGNMENT

Alignment 1E

Point no	Easting	Northing	RL
1E1	297408.038	5824028.494	111.589
1E2	297394.120	5824035.417	111.602

Curve no	I	Radius	Arc
1E1 - 1E2	89.901	11.002	17.262
A	B	X	Y
3.216	2.380	4.206	3.567
			4.316
			111.619

Alignment 2E

Point no	Easting	Northing	RL
2E1	297392.087	5824041.486	111.602
2E2	297399.094	5824043.832	111.629
2E3	297411.748	5824037.539	111.623
2E4	297414.104	5824030.535	111.589

Curve no	I	Radius	Arc
2E2 - 2E3	89.918	10.000	15.694
A	B	X	Y
2.924	2.164	3.824	3.242
			3.923
			111.637

Alignment 3E

Point no	Easting	Northing	RL
3E1	297414.052	5823976.075	110.740
3E2	297420.984	5823990.013	111.083

Curve no	I	Radius	Arc
3E1 - 3E2	90.060	11.001	17.292
A	B	X	Y
3.226	2.388	4.213	3.570
			4.323
			110.911

Alignment 4E

Point no	Easting	Northing	RL
4E1	297427.051	5823992.054	111.083
4E2	297429.414	5823985.031	110.988
4E3	297423.112	5823972.360	110.834
4E4	297416.084	5823970.007	110.740

Curve no	I	Radius	Arc
4E2 - 4E3	90.082	10.000	15.722
A	B	X	Y
2.934	2.171	3.830	3.246
			3.931
			110.911

NOTES

- ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
- ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
- VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.

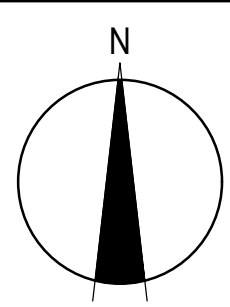
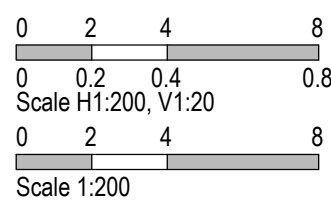
AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



PLAN OF SUB. NO.
PS847502B
PERMIT REF. NO.
PA2018/6004/1

AS CONSTRUCTED



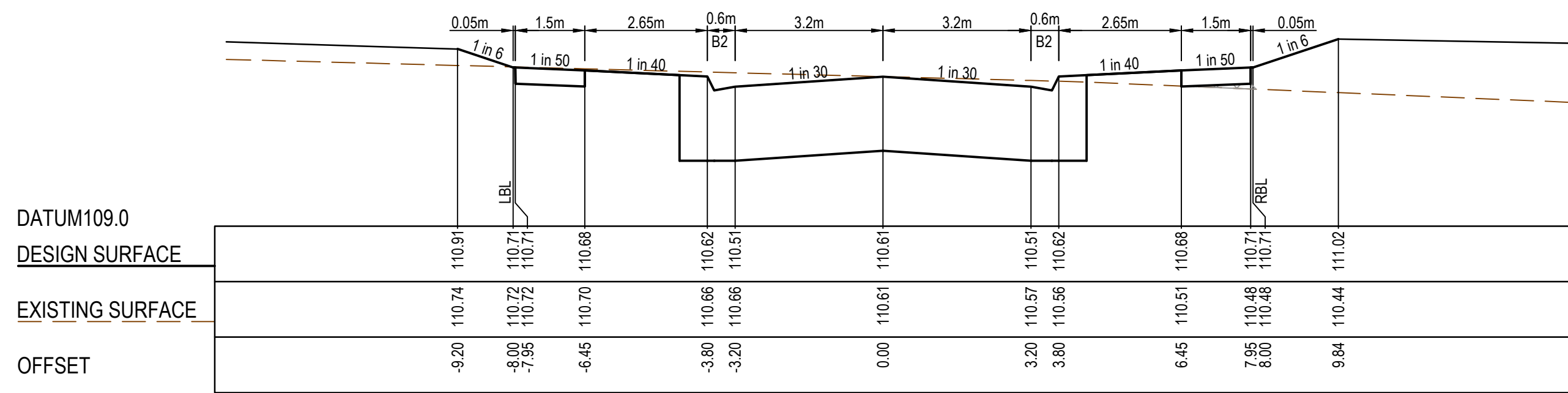
Botania - Stage 6A
Melton City Council
Road and Drainage
Intersection Detail Plan - 2

MELWAYS REF	PROJECT / Drawing No.	SHEET No.	REVISION
355 G5	3070E-06A-182	05 of 17	1

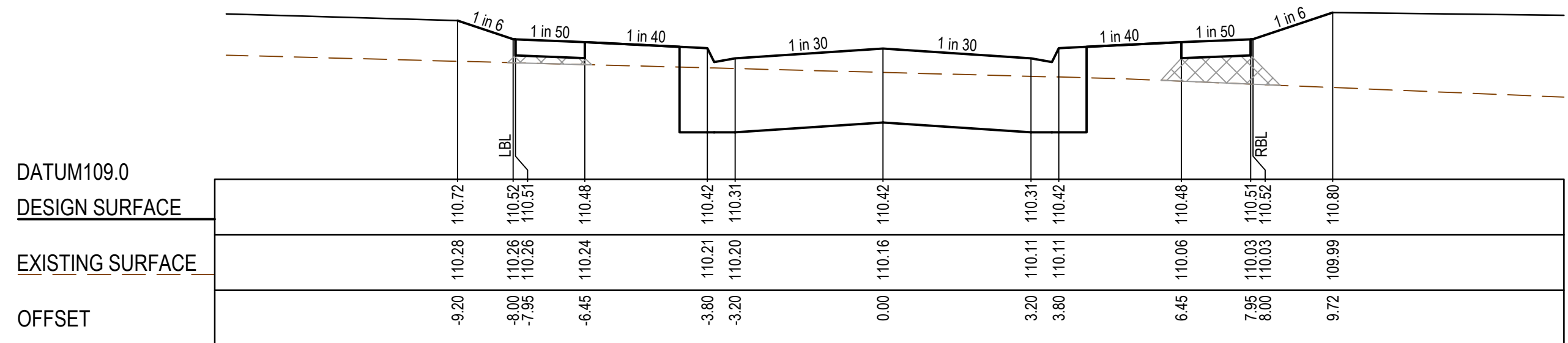


© SMEC 2021. Digital information supplied by this office is for information only, in the event of any discrepancies this should be discussed with the superintendent. Set out should be carried out in accordance with Relevant Authority standard drawings or as nominated by SMEC.

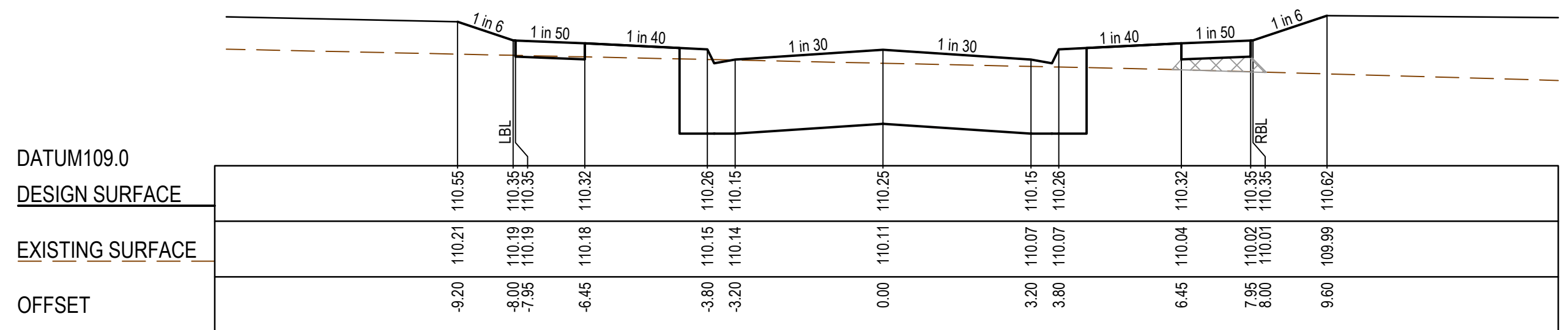
STRUCTURAL FILL REQUIRED UNDER
PAVEMENT AND FOOTPATHS WHERE
CONSTRUCTED ABOVE EXISTING SURFACE



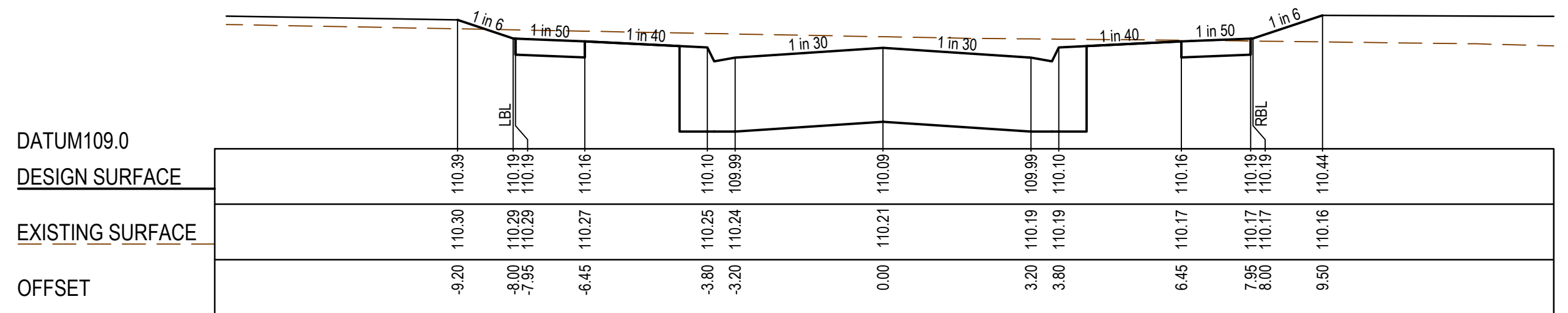
CH 103.76



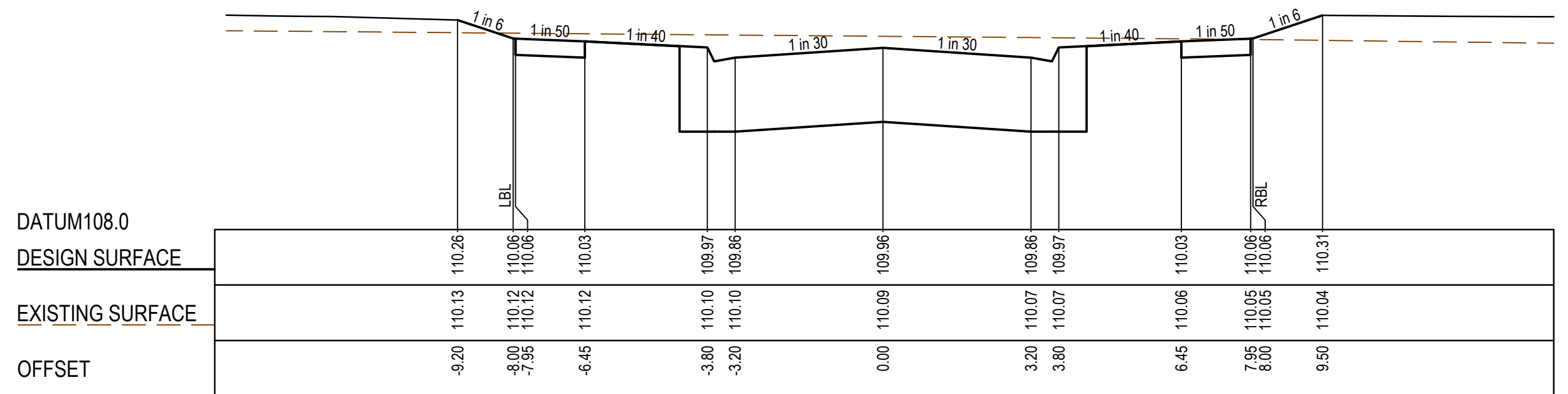
CH 80.76



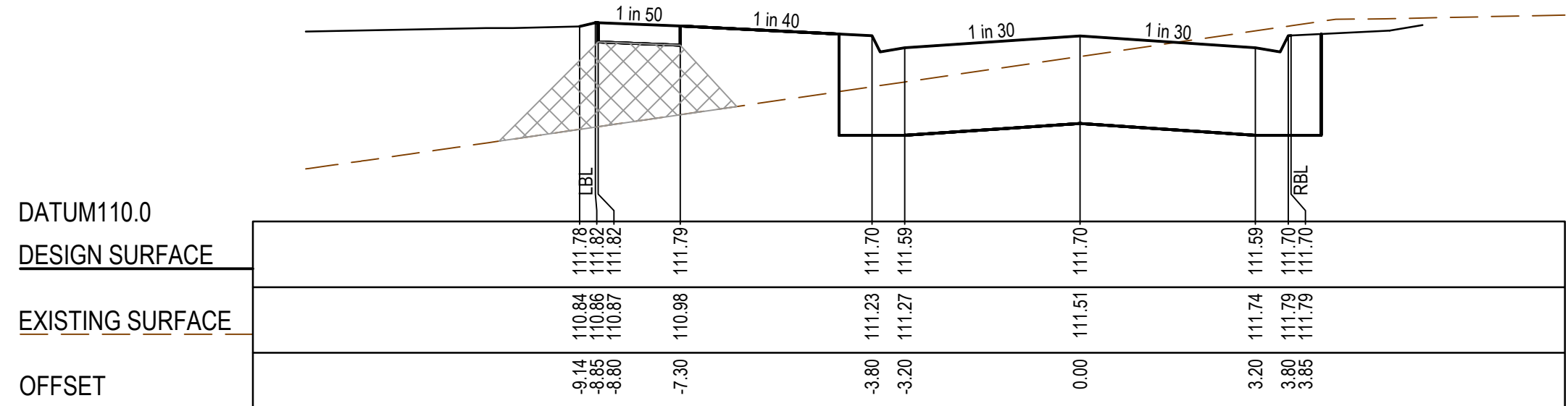
CH 57.76



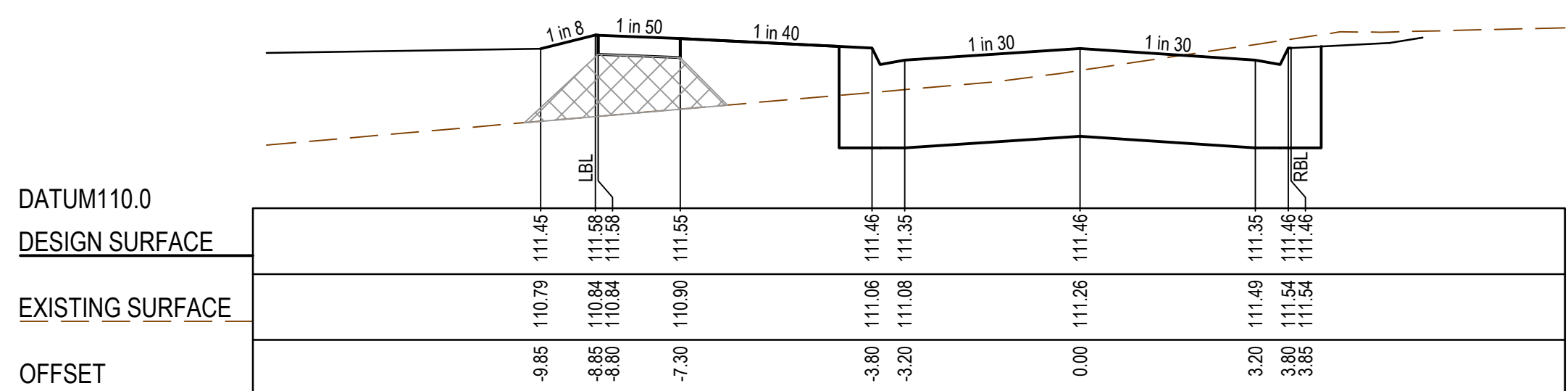
CH 34.76



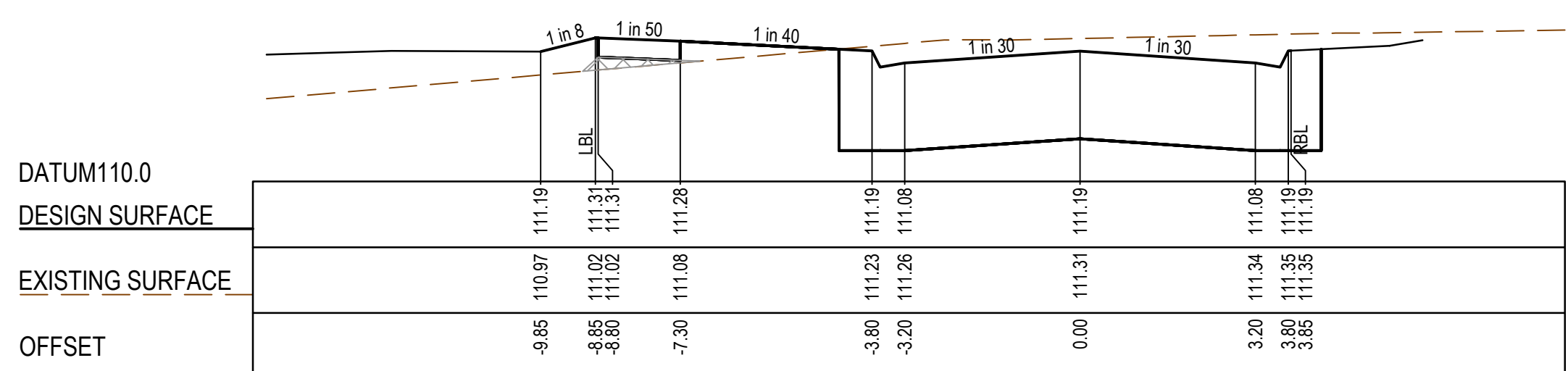
CH 16.33



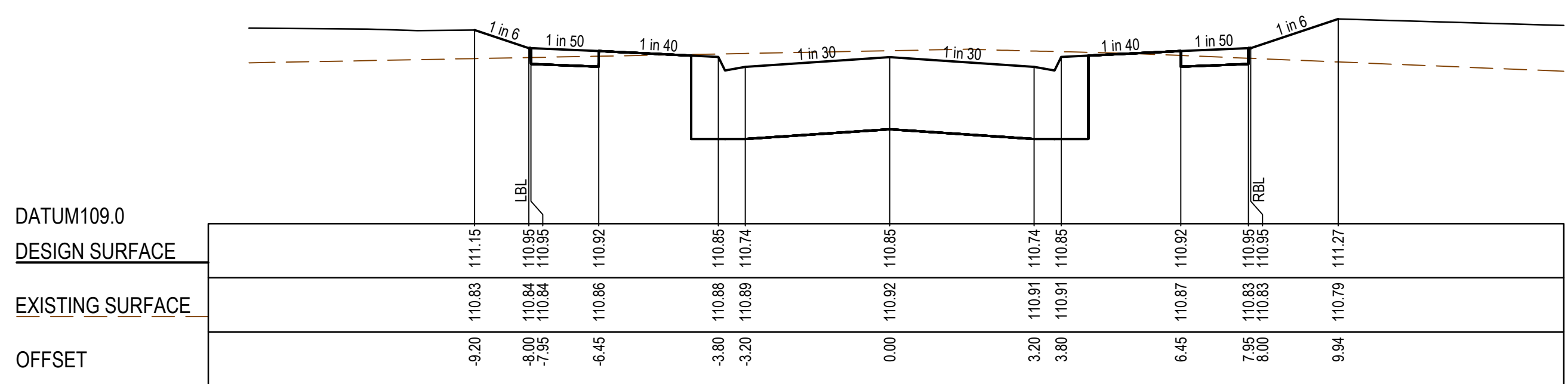
LTPCH 186.21



CH 164.40



LTPCH 145.61



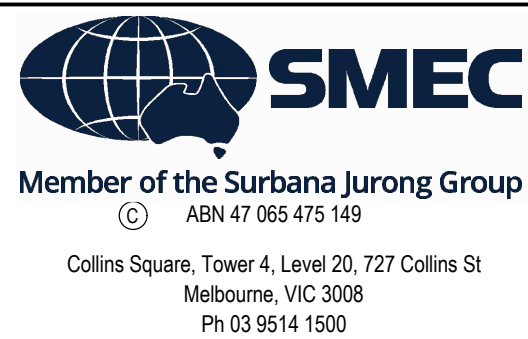
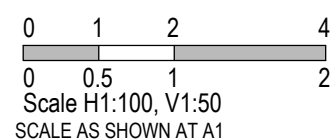
LTPCH 121.47

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



AS CONSTRUCTED



Botania - Stage 6A
Melton City Council
Road and Drainage
Cross Sections: Prunus Crescent
Ch 16.33 - Ch 186.21

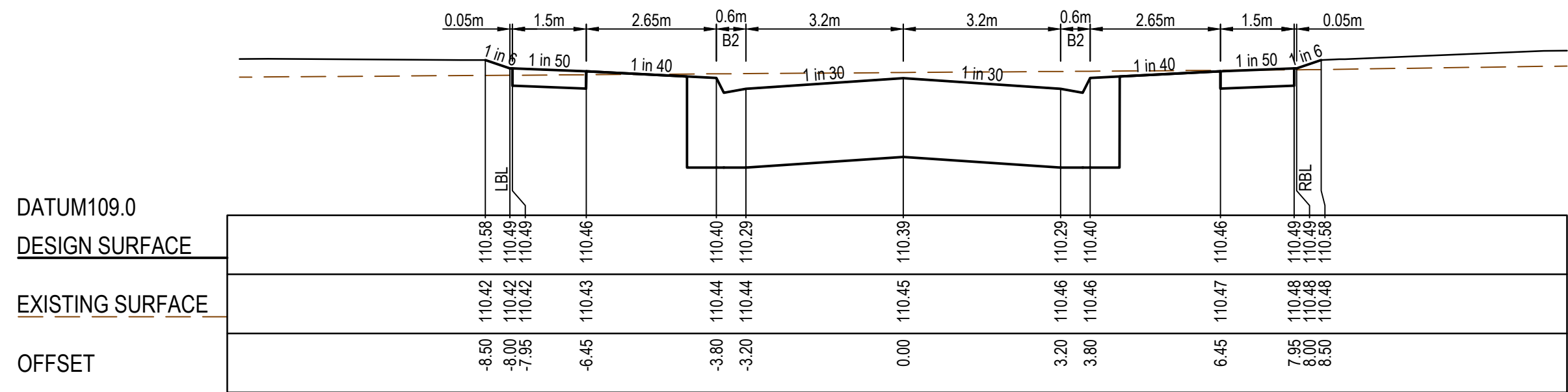
MELWAYS REF
355 G5

PROJECT / DRAWING No.
3070E-06A-252

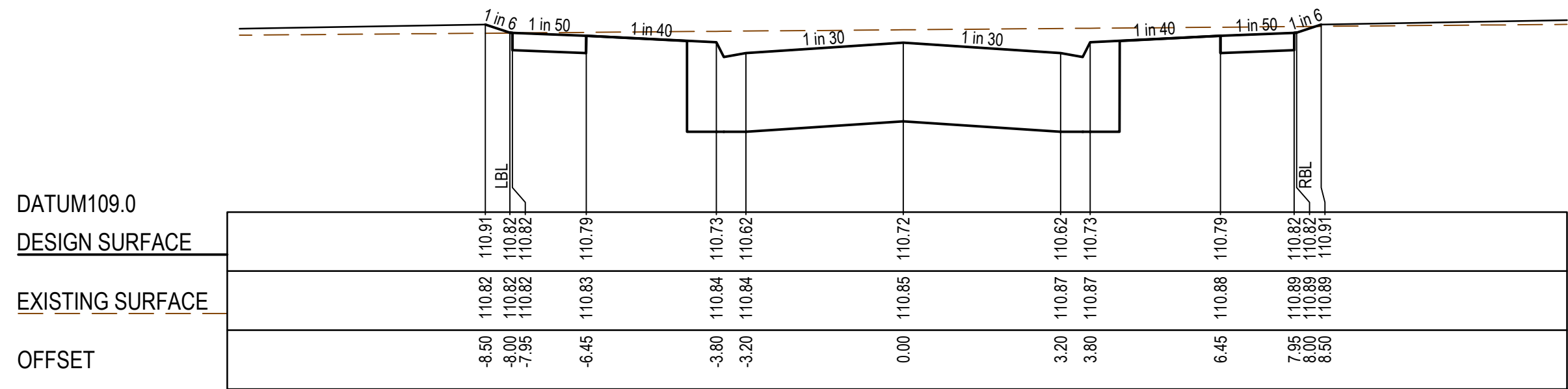
SHEET No.
08 of 17

REVISION
1

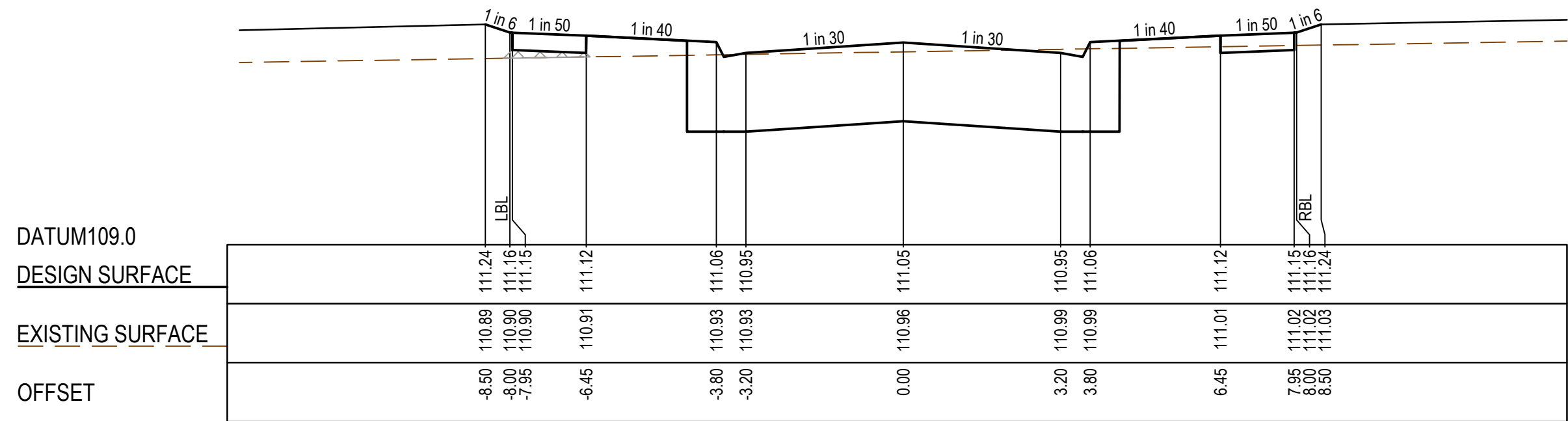
STRUCTURAL FILL REQUIRED UNDER
PAVEMENT AND FOOTPATHS WHERE
CONSTRUCTED ABOVE EXISTING SURFACE



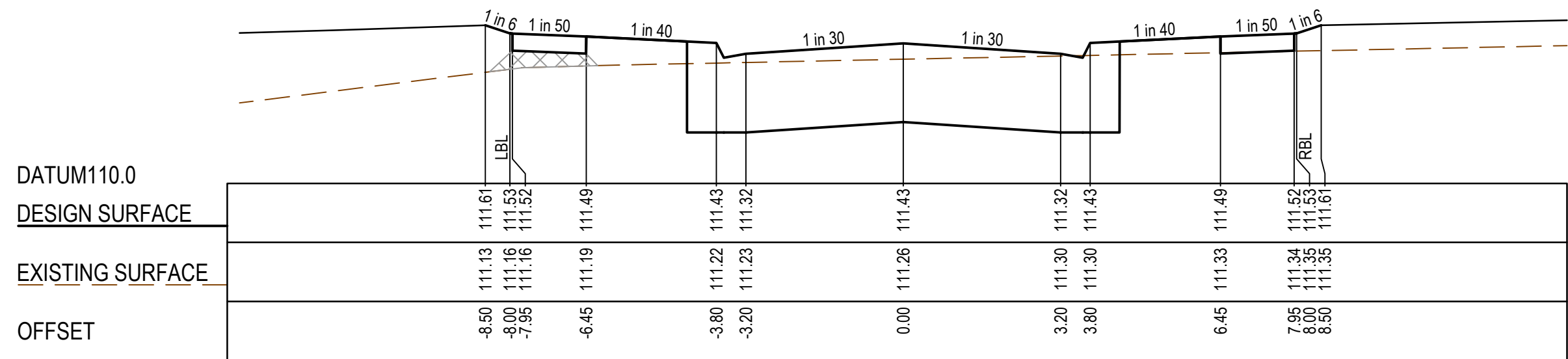
CH 315.41



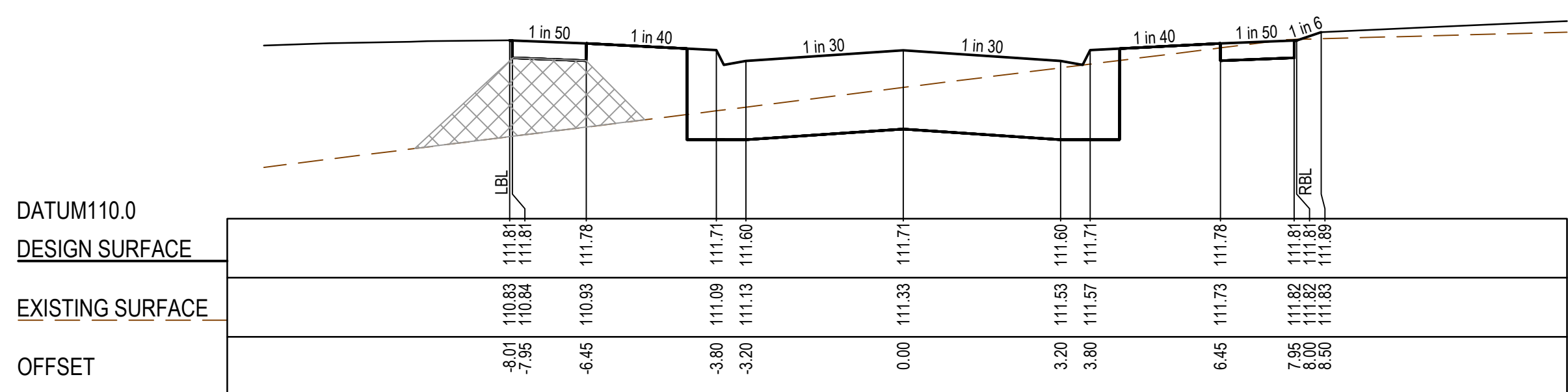
CH 290.41



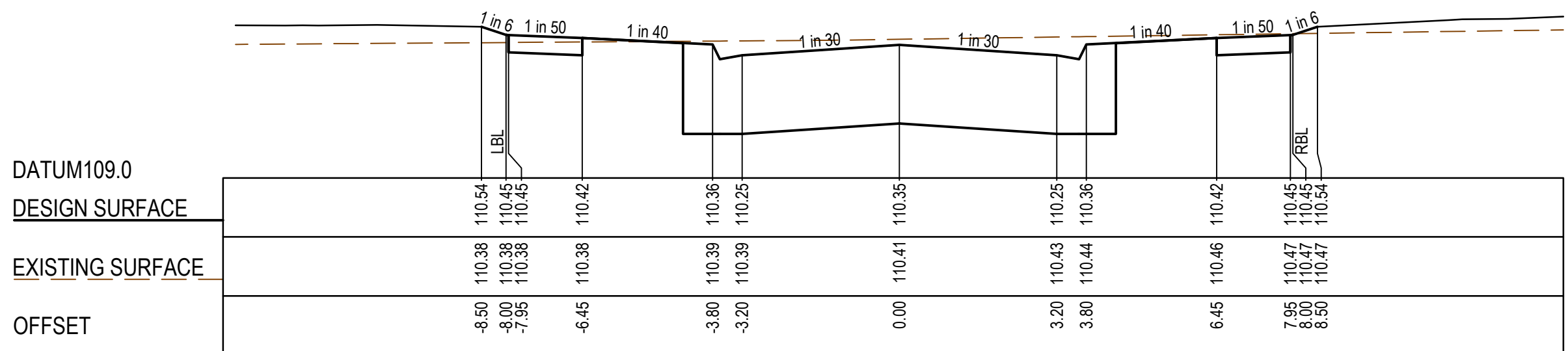
CH 265.41



CH 237.41



LTPCH 210.29



CH 318.26

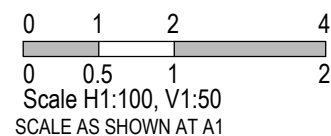
AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



AS CONSTRUCTED

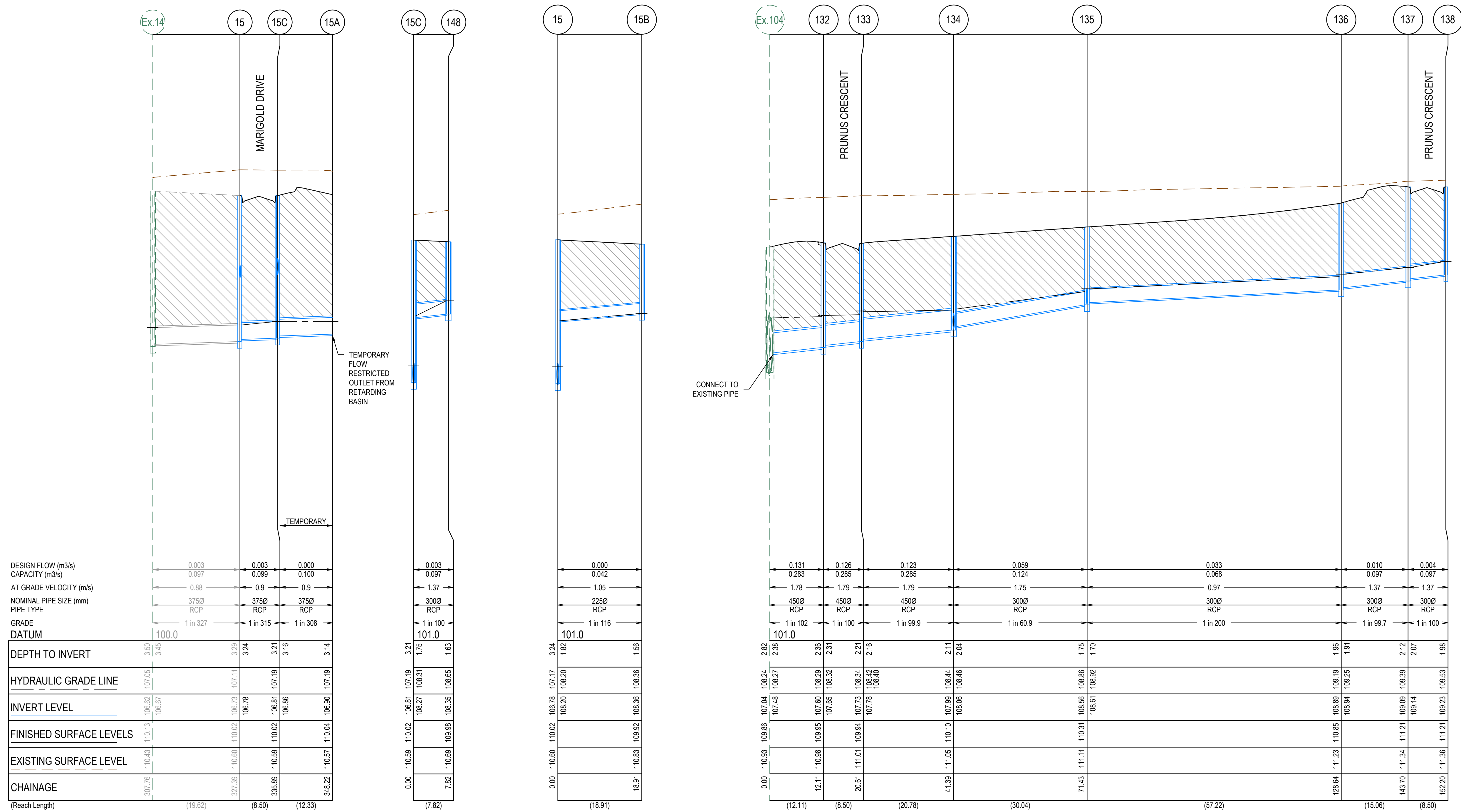
PLAN OF SUB. NO.
PS847502B
PERMIT REF. NO.
PA2018/6004/1



Botania - Stage 6A
Melton City Council
Road and Drainage
Cross Sections: Prunus Crescent
Ch 210.29 - Ch 318.26

MELWAYS REF: 355 G5
PROJECT / DRAWING No: 3070E-06A-253
SHEET No: 09 of 17
REVISION: 1

CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE



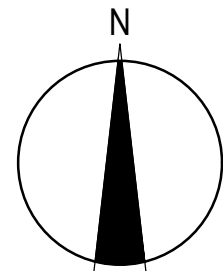
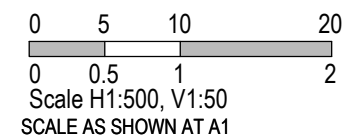
AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



AS CONSTRUCTED

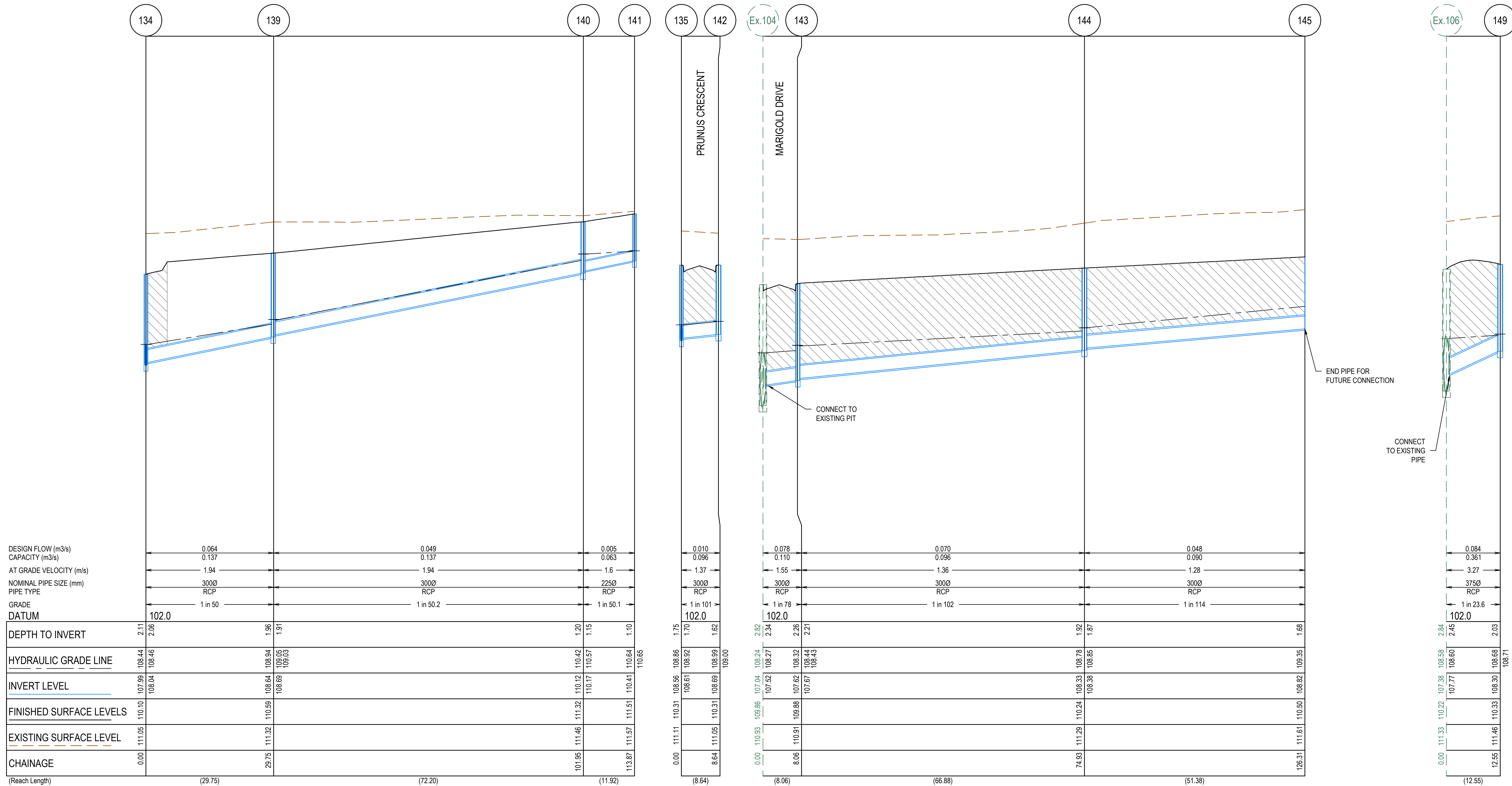
PLAN OF SUB. NO.
PS847502B
PERMIT REF. NO.
PA2018/6004/1



Botania - Stage 6A
Melton City Council
Road and Drainage
Drainage Longitudinal Sections - 1

MELWAYS REF 355 G5	PROJECT / DRAWING No. 3070E-06A-301	SHEET No. 10 of 17	REVISION 1
-----------------------	--	-----------------------	---------------

CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS
SPECIFIED OTHERWISE



AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

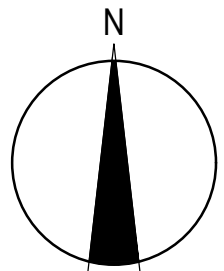
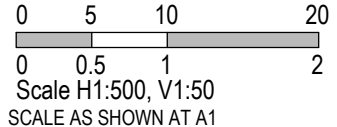
Quality Management ISO 9001:2015
Global-Mark.com.au®

OH&S Management AS/NZS 4500:2001
Global-Mark.com.au®

Environmental Management ISO 14001:2015
Global-Mark.com.au®

PLAN OF SUB. NO. PS847502B
PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED



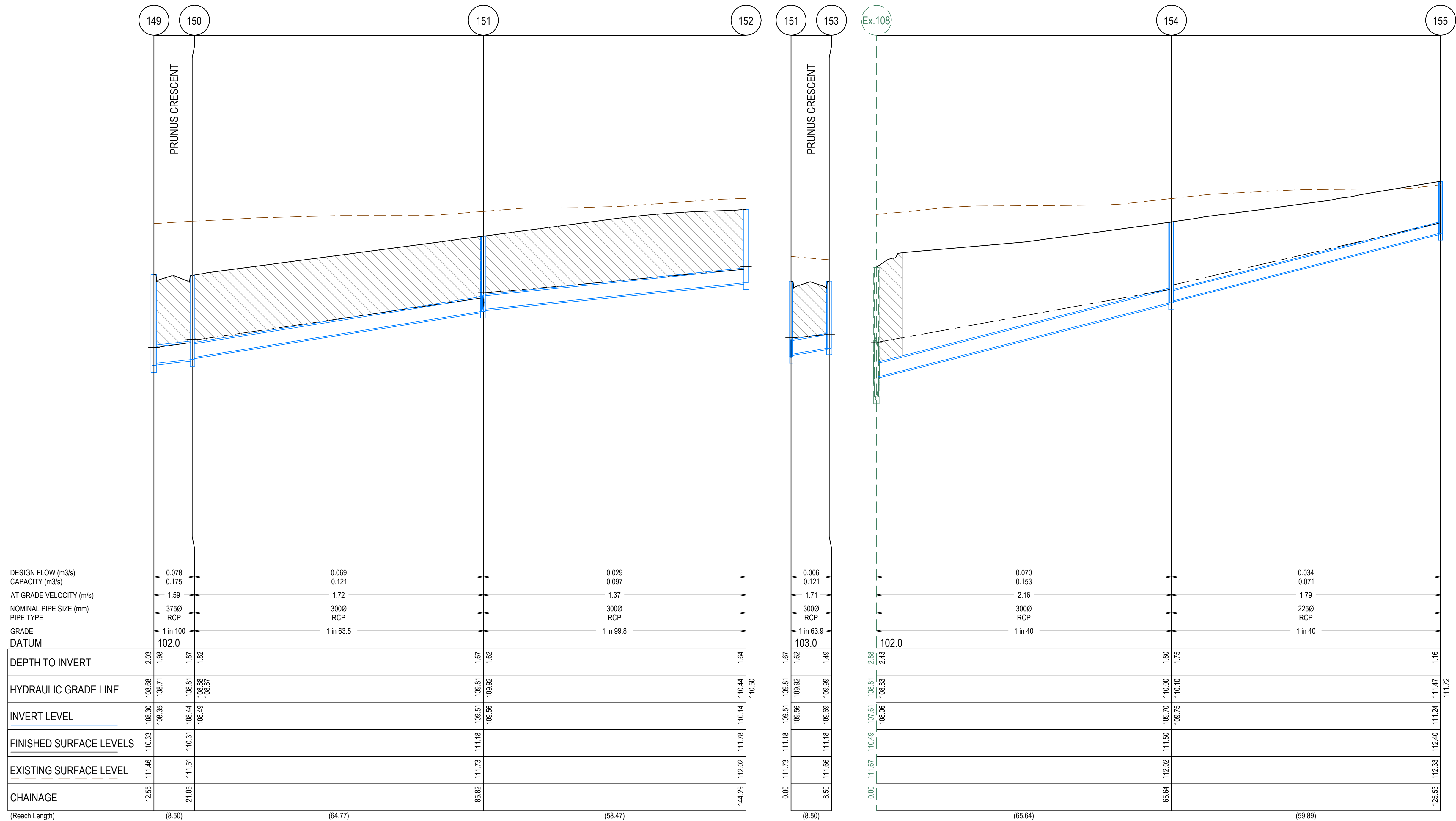
SMEC
Member of the Surlana Jurong Group
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 6A
Melton City Council
Road and Drainage
Drainage Longitudinal Sections - 2

MELWAYS REF 355 G5	PROJECT / DRAWING No. 3070E-06A-302	SHEET No. 11 of 17	REVISION 1
-----------------------	--	-----------------------	---------------

CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS
SPECIFIED OTHERWISE

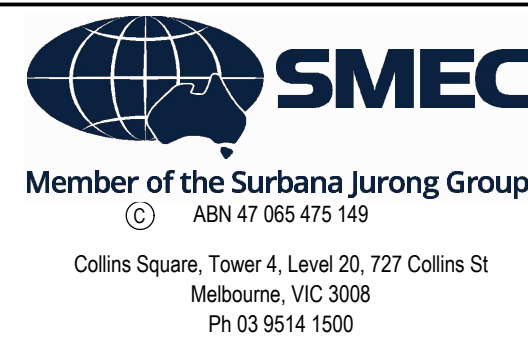
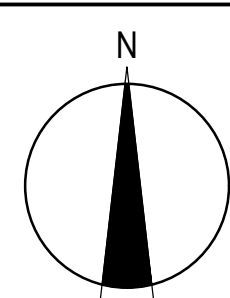
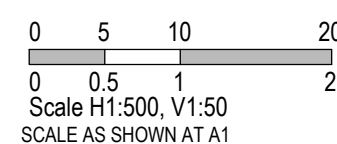


AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



AS CONSTRUCTED



Botania - Stage 6A
Melton City Council
Road and Drainage
Drainage Longitudinal Sections - 3

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-06A-303	12 of 17	1

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
15	JUNCTION PIT	600	900	375	106.833	375	106.783	110.021	3.238	EDCM 605	
				225	108.2						
15a	HEADWALL INLET					375	106.9	110.041	3.141		PRECAST HEADWALL
15b	JUNCTION PIT	600	900			225	108.363	109.925	1.562	EDCM 605	
15c	GRATED ENTRY PIT	600	900	375	106.86	375	106.81	110.02	3.21	EDCM 605 & 601	
132	GRATED ENTRY PIT	600	900	450	107.647	450	107.597	109.955	2.358	EDCM 605 & 601	
133	DOUBLE GRATED ENTRY PIT	600	900	450	107.782	450	107.732	109.945	2.213	EDCM 605 & 602	
134	GRATED ENTRY PIT	600	900	300	108.065	450	107.99	110.1	2.11	EDCM 605 & 601	
				300	108.04						
135	GRATED ENTRY PIT	600	900	300	108.608	300	108.558	110.311	1.753	EDCM 605 & 601	
				300	108.608						
136	GRATED ENTRY PIT	600	900	300	108.944	300	108.894	110.852	1.958	EDCM 605 & 601	
137	GRATED ENTRY PIT	600	900	300	109.145	300	109.095	111.213	2.118	EDCM 605 & 601	
138	GRATED ENTRY PIT	600	900			300	109.23	111.215	1.985	EDCM 605 & 601	
139	JUNCTION PIT	600	900	300	108.685	300	108.635	110.593	1.958	EDCM 605	
140	JUNCTION PIT	600	900	225	110.173	300	110.123	111.32	1.197	EDCM 605	
141	JUNCTION PIT	600	900			225	110.411	111.505	1.094	EDCM 605	
142	GRATED ENTRY PIT	600	900			300	108.694	110.314	1.62	EDCM 605 & 601	
143	DOUBLE GRATED ENTRY PIT	600	900	300	107.669	300	107.619	109.881	2.261	EDCM 605 & 602	
144	GRATED ENTRY PIT	600	900	300	108.376	300	108.326	110.243	1.917	EDCM 605 & 601	
145	ENDPIPE			300	108.825	300	108.825	110.503	1.679		END PIPE FOR FUTURE CONNECTION
148	GRATED ENTRY PIT	600	900			300	108.428	109.981	1.552	EDCM 605 & 601	
149	GRATED ENTRY PIT	600	900	375	108.352	375	108.302	110.33	2.028	EDCM 605 & 601	
150	DOUBLE GRATED ENTRY PIT	600	900	300	108.487	375	108.437	110.311	1.874	EDCM 605 & 602	
151	GRATED ENTRY PIT	600	900	300	109.557	300	109.507	111.181	1.674	EDCM 605 & 601	
				300	109.557						
152	JUNCTION PIT	600	900			300	110.143	111.779	1.636	EDCM 605	
153	GRATED ENTRY PIT	600	900			300	109.69	111.181	1.491	EDCM 605 & 601	
154	JUNCTION PIT	600	900	225	109.746	300	109.696	111.496	1.8	EDCM 605	
155	JUNCTION PIT	600	900			225	111.243	112.403	1.159	EDCM 605	

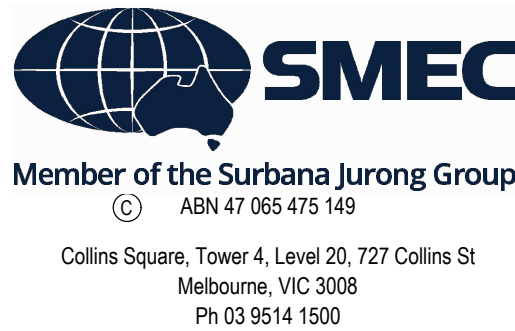
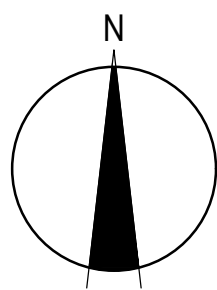
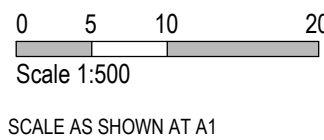
AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



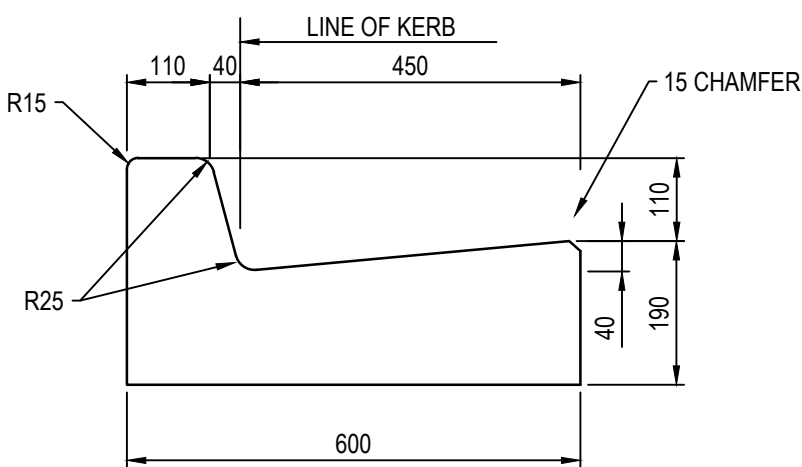
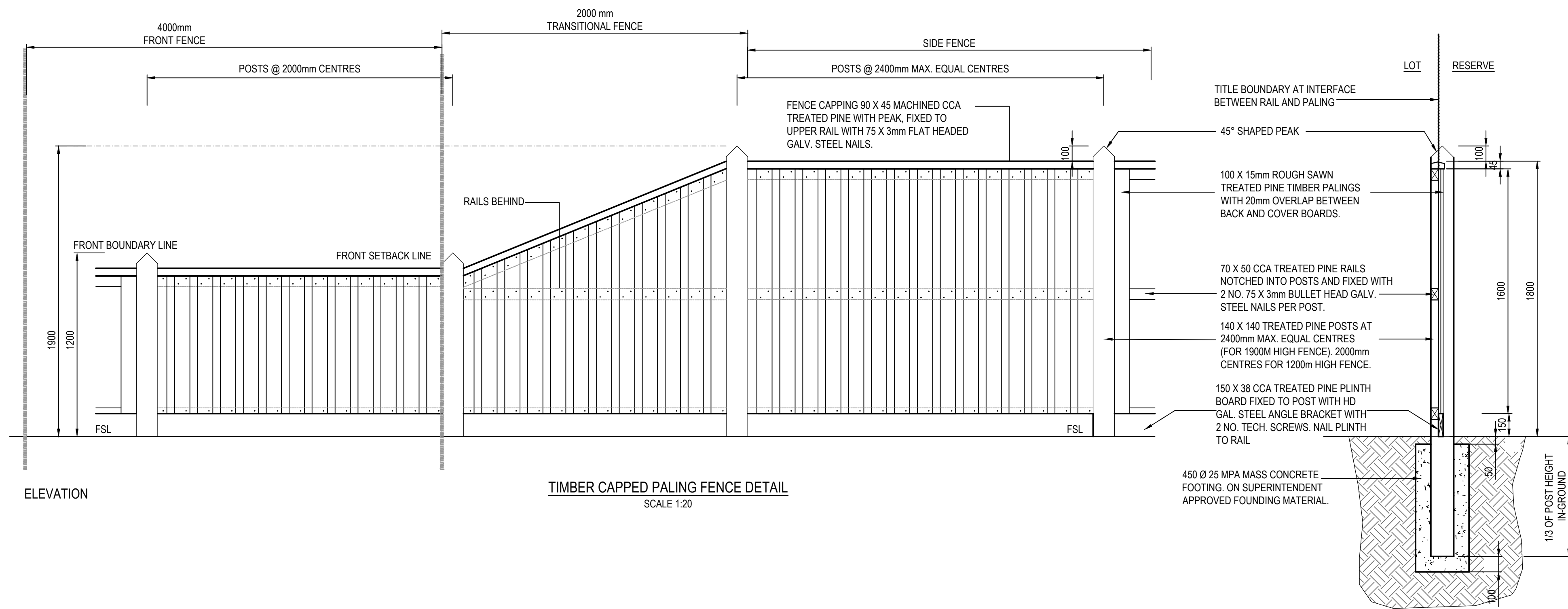
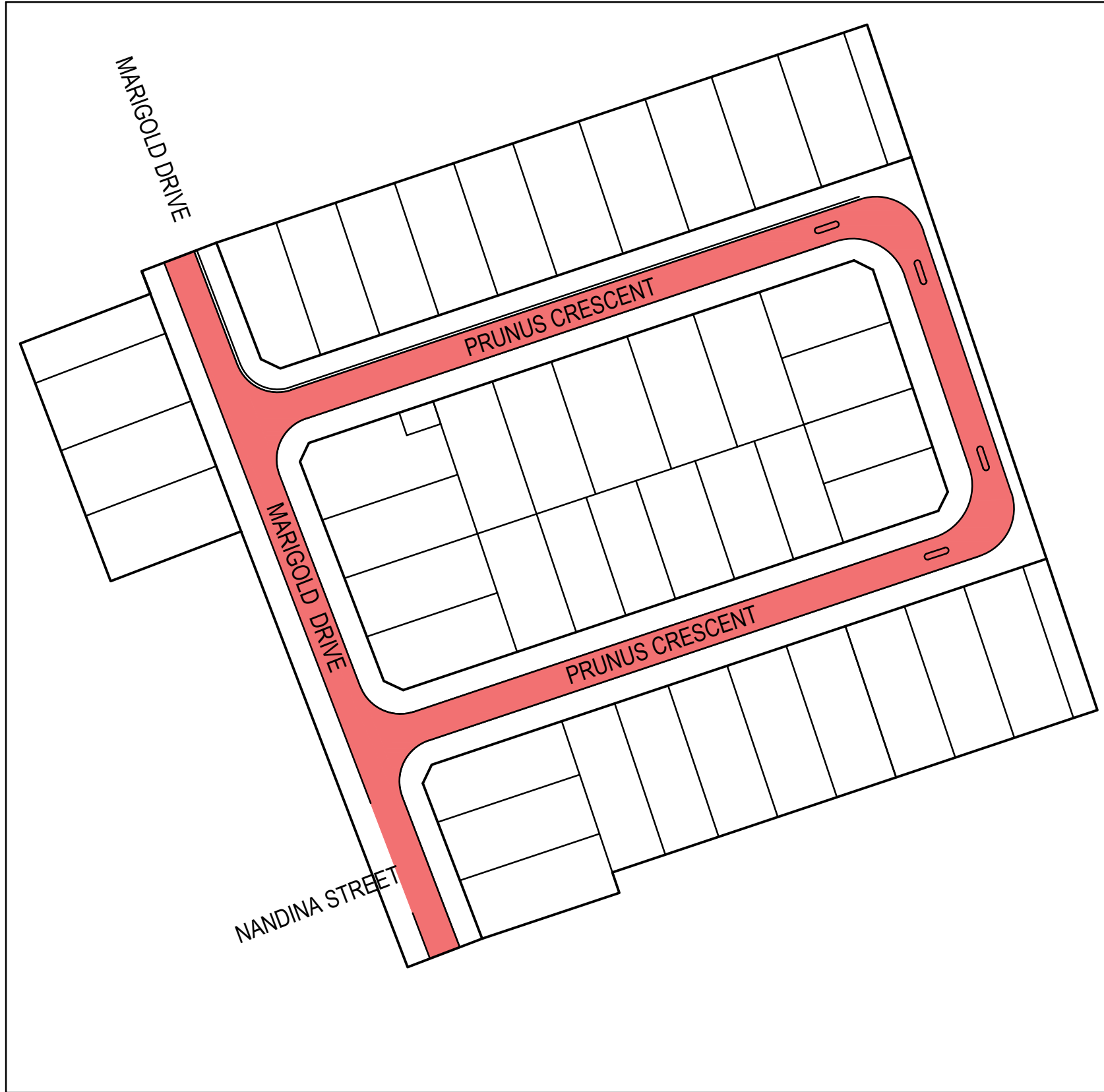
PLAN OF SUB. NO.
PS847502B
PERMIT REF. NO.
PA2018/6004/1

AS CONSTRUCTED

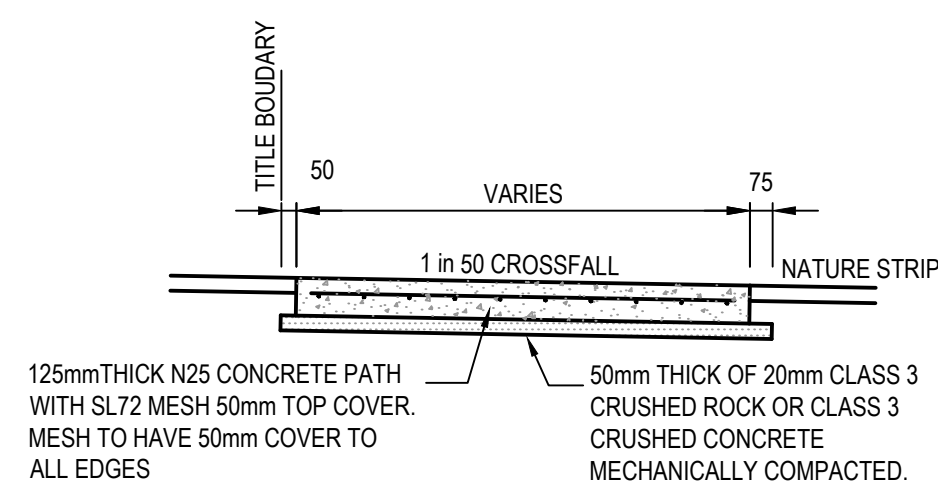


Botania - Stage 6A
Melton City Council
Road and Drainage
Pit Schedule

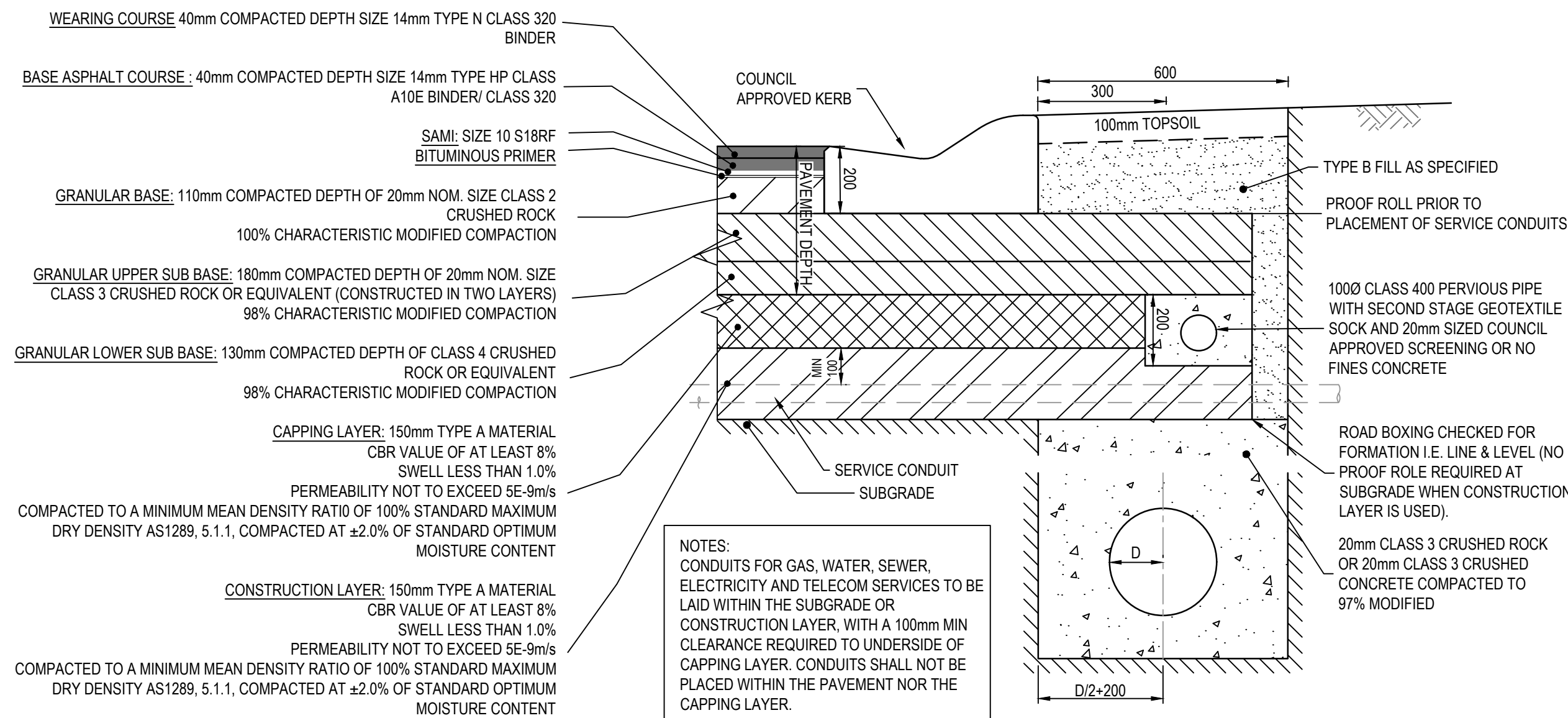
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-06A-351	13 of 17	1



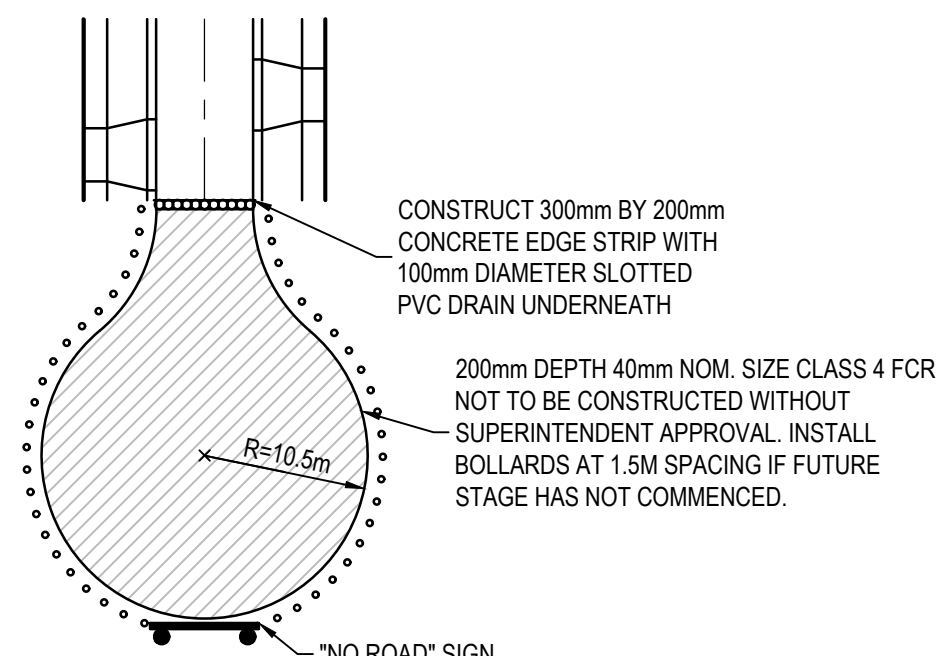
600 B2 KERB DETAIL
SCALE 1:10
EDCM



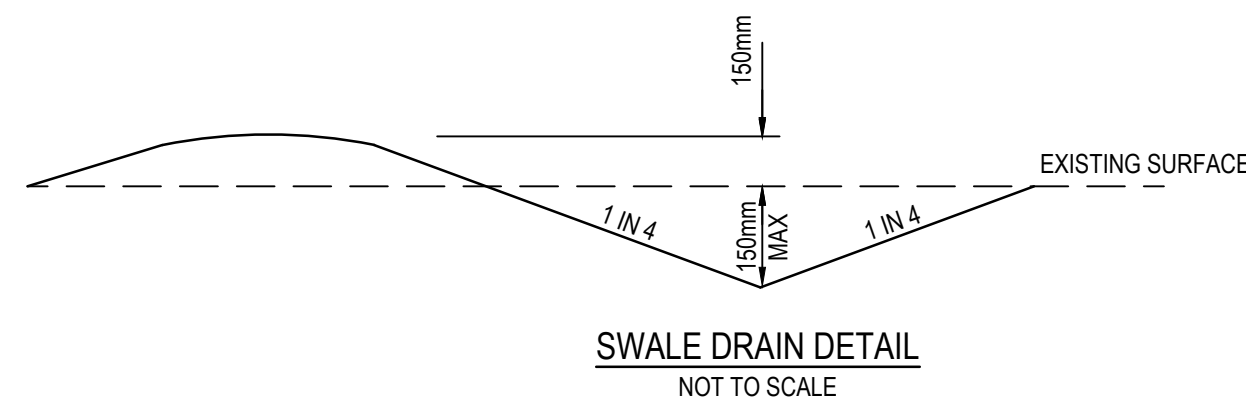
TYPICAL FOOTPATH CROSS SECTION
NOT TO SCALE
(REFER NOTE 27)



MARIGOLD DRIVE & PRUNUS CRESCENT PAVEMENT
ACCESS LEVEL 2 (UPPER RANGE 2500 veh/day).
800 mm THICK AND SUBSOIL DRAIN (EXPANSIVE SOILS)
REFER EDCM STD DWG 202A
N.T.S



TEMPORARY TURN AREA DETAIL
NOT TO SCALE



SWALE DRAIN DETAIL
NOT TO SCALE

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

- JOINT DETAIL NOTES:**
- SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING. TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 12m.
 - ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
 - ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".

NOTE
ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY CMW GEOSCIENCES, DOCUMENTS REF. MEL2018-0151AB Rev3, DATED 27 FEBRUARY 2019 & MEL2020-0146AB Rev2, DATED 23 SEPTEMBER 2020. SMEC IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT FOR THIS DEVELOPMENT STAGE. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE ON REQUEST. ANY DIFFERENCES FROM THIS REQUIREMENTS SHOWN ARE TO BE NOTIFIED TO THE SUPERINTENDENT BEFORE PROCEEDING.

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management ISO 9001
Global-Mark.com.au®

OH&S Management AS/NZS 4500
Global-Mark.com.au®

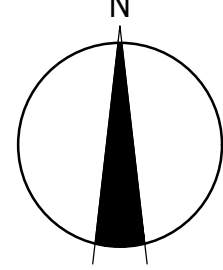
Environmental Management ISO 14001
Global-Mark.com.au®

PLAN OF SUB. NO.
PS847502B

PERMIT REF. NO.
PA2018/6004/1

AS CONSTRUCTED

SCALE AS SHOWN AT A1



SMEC

Member of the Surbana Jurong Group

ABN 47 065 475 149

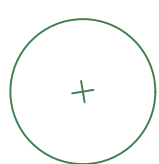
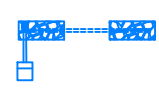
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 6A
Melton City Council
Road and Drainage
Pavement Details

MELWAYS REF 355 G5	PROJECT / DRAWING No. 3070E-06A-411	SHEET No. 14 of 17	REVISION 1
------------------------------	---	------------------------------	----------------------

LEGEND



NOTE:
TRENCH OFFSET TO BACK OF KERB REDUCED TO 0.75m FOR KERB INLET TYPES DUE TO RESTRICTED SITE. (AS APPROVED BY COUNCIL).
PASSIVE IRRIGATION TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
PRINCIPAL CONTRACTOR TO INSTALL KERB INLET COMPONENT ONLY.



WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS

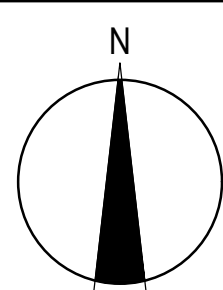
The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.



AS CONSTRUCTED

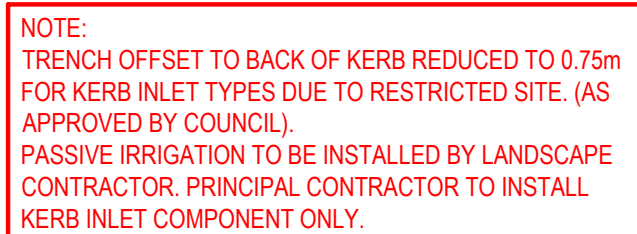
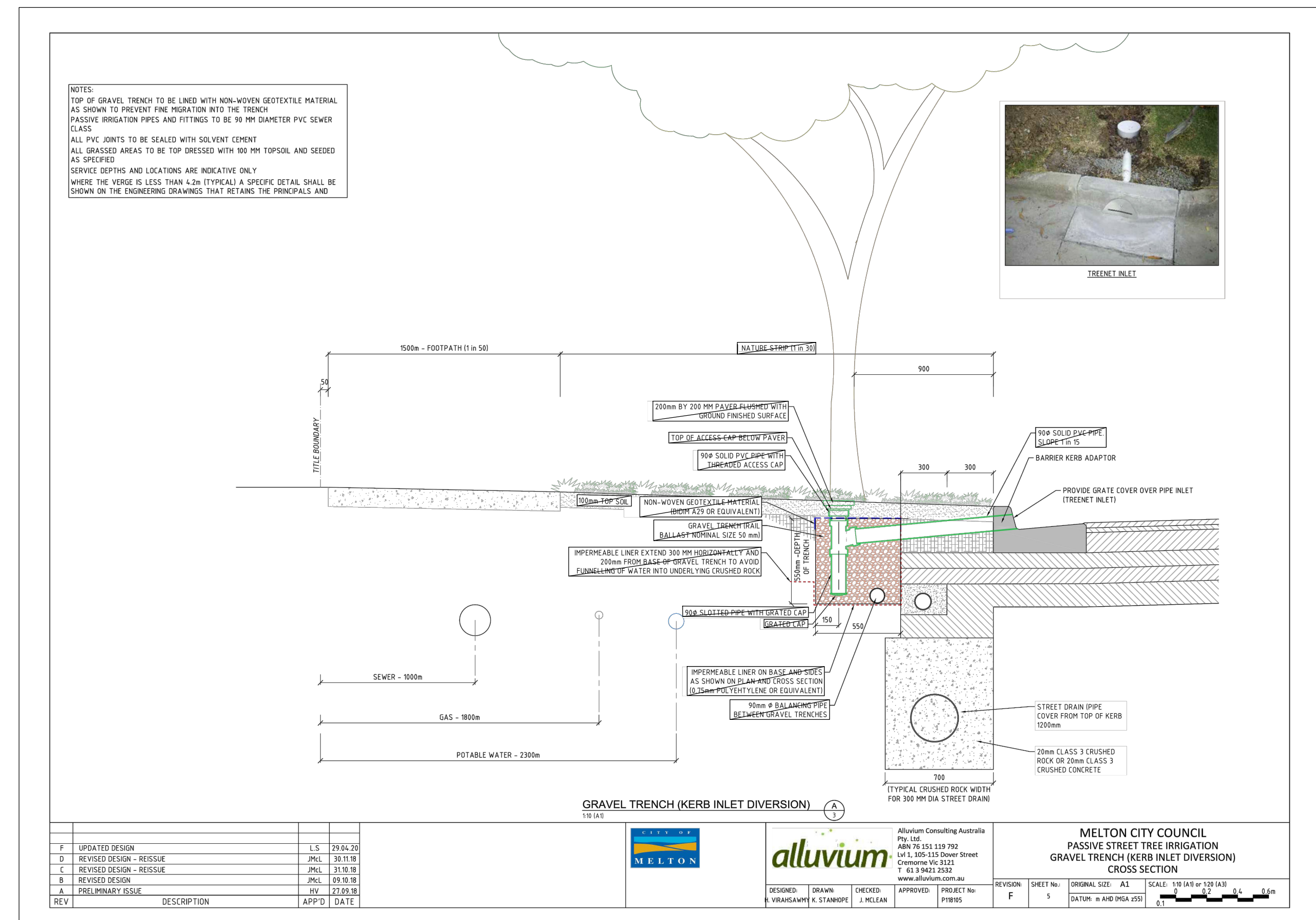
PLAN OF SUB. NO.
PS847502B
PERMIT REF. NO.
PA2018/6004/1

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1



Botania - Stage 6A
Melton City Council
Road and Drainage
Passive Irrigation Plan

MELWAYS REF 355 G5	PROJECT / DRAWING No. 3070E-06A-412	SHEET No. 15 of 17	REVISION 2
-----------------------	--	-----------------------	---------------



MELWAYS REF 355 G5	PROJECT / DRAWING No. 3070E-06A-413	SHEET No. 16 of 17	REVISION 1
-----------------------	--	-----------------------	---------------

PHASE	DISCIPLINE CODE		POTENTIAL RISK (Construction, Operations, Maintenance)		RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESSED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED? YES / NO	RESIDUAL RISK LIKELIHOOD (0-5)	RESIDUAL RISK CONSEQUENCE (0-5)	RESIDUAL RISK RATING	RESIDUAL RISK OWNER
Road Furniture / Roadside Features													
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15	Constructor
Construction	RD	Roads	Culverts	Potential risk from culverts under construction and height / fall hazards	Contractor	Falling from a height	Temporary barriers to be provided	Temporary barrier provided in contract	N	2	5	10	Constructor
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5	Constructor
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4	Road Authority
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4	Road Authority
Operational	RF	Road Furniture	Headwalls	Potential vehicle conflict within clear zone	Road Authority	Increased potential for accidents	Establish adequate clear zone provision	Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in accordance with authority standard	N	2	4	8	Road Authority
Operational	RD	Roads	Culverts	Potential fall hazard during maintenance, by vehicles and pedestrians	Relevant Authority	Falling from a height	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	N	2	5	10	Constructor
Retaining Walls													
Construction	RW	Retaining Walls	Retaining Wall Alignment	Falling from height during construction or commissioning of walls and adjacent structures eg. sewer manholes	Contractor	Falling from a height	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Operational	RW	Retaining Walls	Retaining Wall Alignment	Lack of safe access/setback from road	Road/ Local Authority	Increased potential for accidents	Establish adequate and accessible clear zone provision. Provide guardrail where required	Wall located in suitable position during design process and approved by authority	N	1	1	1	Authority
Operational	RW	Retaining Walls	Retaining Wall Height	Potential for falling from height	Road/ Local Authority	Personal injury	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	5	5	Authority
Operational	RW	Retaining Walls	Retaining Wall Design	Potential for wall failure	Road/ Local Authority	Increased potential for accidents	Structural design in accordance with standards, geotechnical conditions, end use and good practise.	Refer to structural drawings and calculations	N	1	5	5	Authority
Drainage													
Operational	DR	Drainage	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6	Authority
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwalls/Headwalls	Potential for falling from height	Relevant Authority	Increased potential for accidents	Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards	Allow for fencing in Design Process	N	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwall/Headwall Outlets	Children playing in large pipes / watercourses and access for maintenance	Relevant Authority	Increased potential for accidents	Grate provided to authority standards	Design in accordance with authority and manufacturers standards	N	2	5	10	Authority
Maintenance	DR	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	N	2	5	10	Authority
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5	Authority
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6	
Sewer													
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Falling from height during construction or commissioning of adjacent sewer manholes	Contractor	Falling from a height	Provide temporary fencing until such time that permanent fencing is constructed	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	1	5	5	Authority
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	N	1	5	5	Authority
Maintenance	SE	Sewer	Pump Station Access	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2	4	8	Authority
Electricity													
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e.g., pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Telstra													
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e.g., pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Water													
Operational	WA	Water	Water Design	Location of assets within clear zones e.g., pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Gas													
Operational	GA	Gas	Gas Design	Location of assets within clear zones e.g., pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	1	1	1	Authority

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.





PLAN OF SUB. NO.
PS847502B

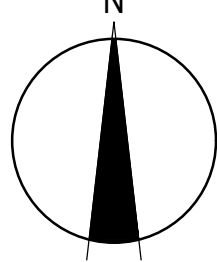
PERMIT REF. NO.
PA2018/6004/1





AS CONSTRUCTED

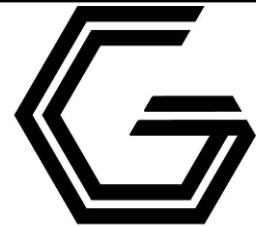
SCALE AS SHOWN AT A1





Member of the Surbana Jurong Group

Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500



GROWLAND

Botania - Stage 6A
Melton City Council
Road and Drainage
Safety In Design

MELWAYS REF
355 G5

PROJECT / DRAWING No.
3070E-06A-500

SHEET No.
17 of 17

REVISION
1