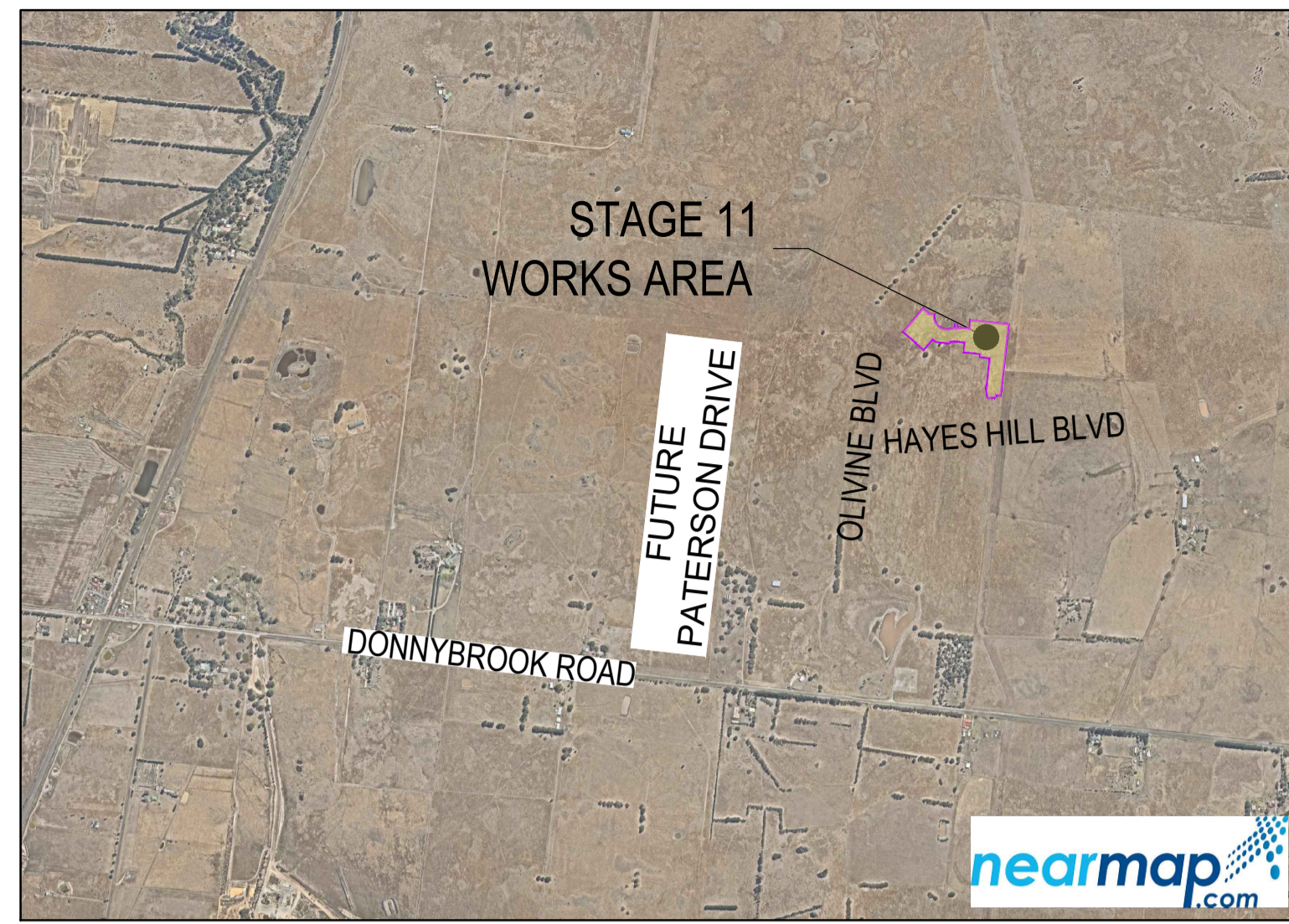


Olivine Estate

Stage 11



LOCALITY PLAN
MELWAYS REF: BM2

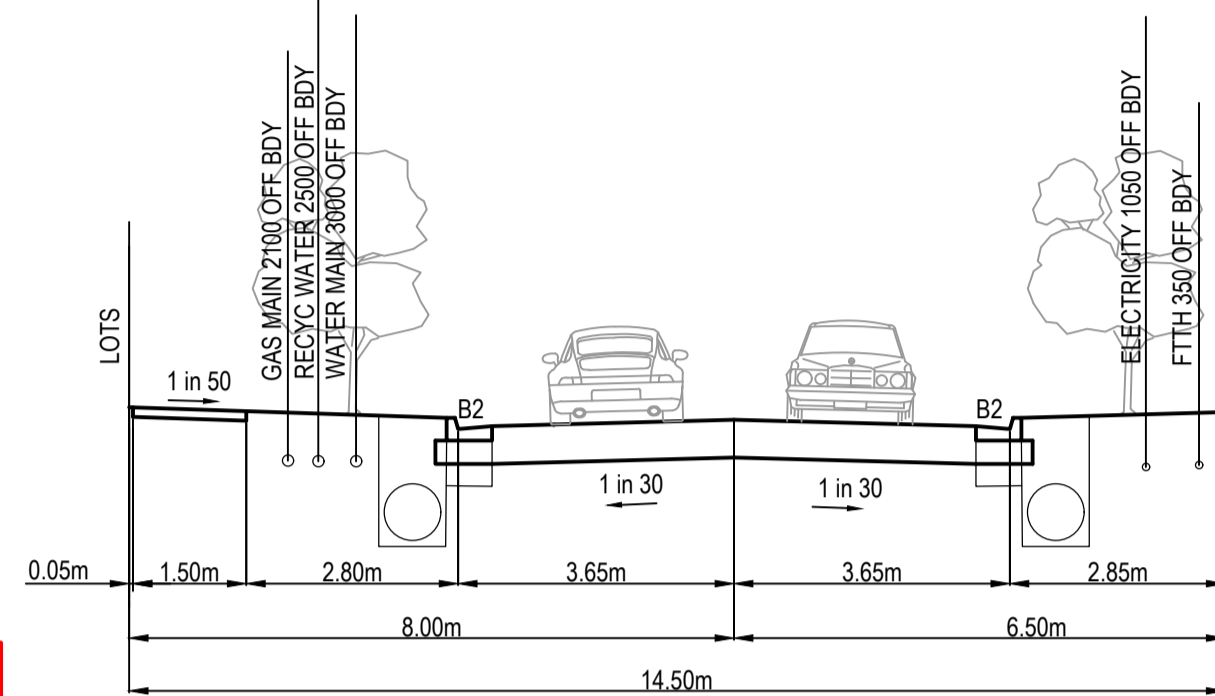
Drawing Index

- 1700E-11-01 Cover Plan
- 1700E-11-02 Layout Plan
- 1700E-11-03 Signs & Linemarking Plan
- 1700E-11-04 Earthworks Plan
- 1700E-11-05 Intersection Detail Plan -1
- 1700E-11-06 Intersection Detail Plan -2
- 1700E-11-07 Longitudinal Sections - 1
- 1700E-11-08 Longitudinal Sections - 2
- 1700E-11-09 Longitudinal Sections - 3
- 1700E-11-10 Cross Sections: Precinct Way Ch20.21 - Ch167.44
- 1700E-11-11 Cross Sections: Precinct Way Ch184.44-Ch197.64 Compass Crescent Ch217.55 - Ch262.25
- 1700E-11-12 Cross Sections: Compass Crescent Ch273.95 - Ch410.92
- 1700E-11-13 Cross Sections: Compass Crescent Ch422.02 - Ch472.69
- 1700E-11-14 Cross Sections: Vicinity Rd & Median Grange
- 1700E-11-15 Cross Sections: Society Vista
- 1700E-11-16 Drainage Longitudinal Sections - 1
- 1700E-11-17 Drainage Longitudinal Sections - 2
- 1700E-11-18 Drainage Longitudinal Sections - 3 & Pit Schedule
- 1700E-11-19 General Notes & Pavement Details
- 1700E-11-85 Safety In Design

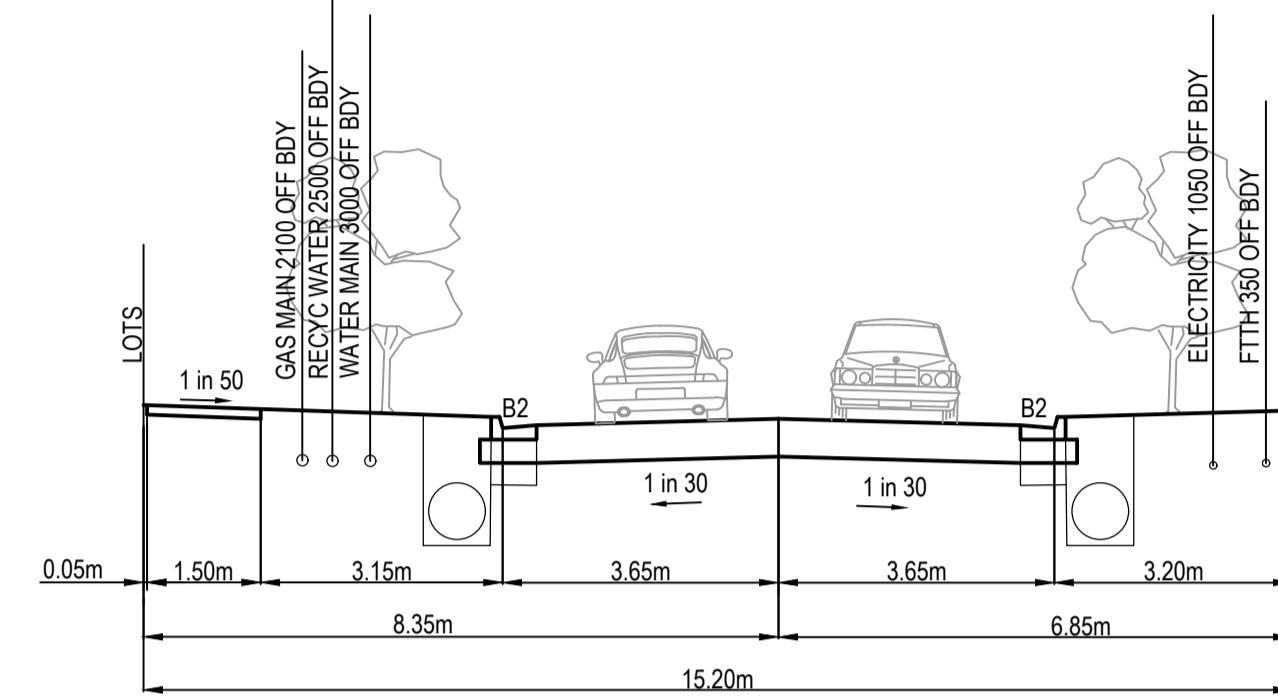
WARNING
SAFETY MEASURES REQUIRED

Please note there are risks attached to the construction of this project, and any ongoing maintenance of structures. Consider the safety of all. For potential risks, consequences and controls refer to Safety In Design Risk Register SID P4.E6. 1700E-11-85

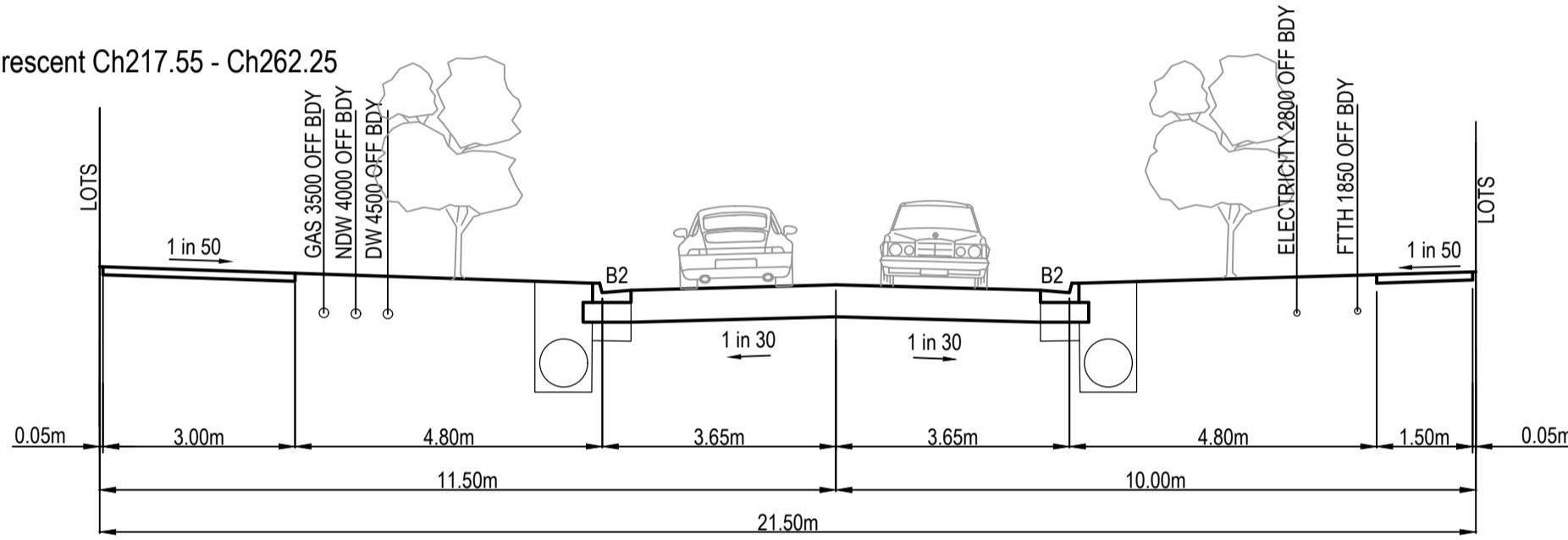
ASSESS THE RISK - STAY SAFE



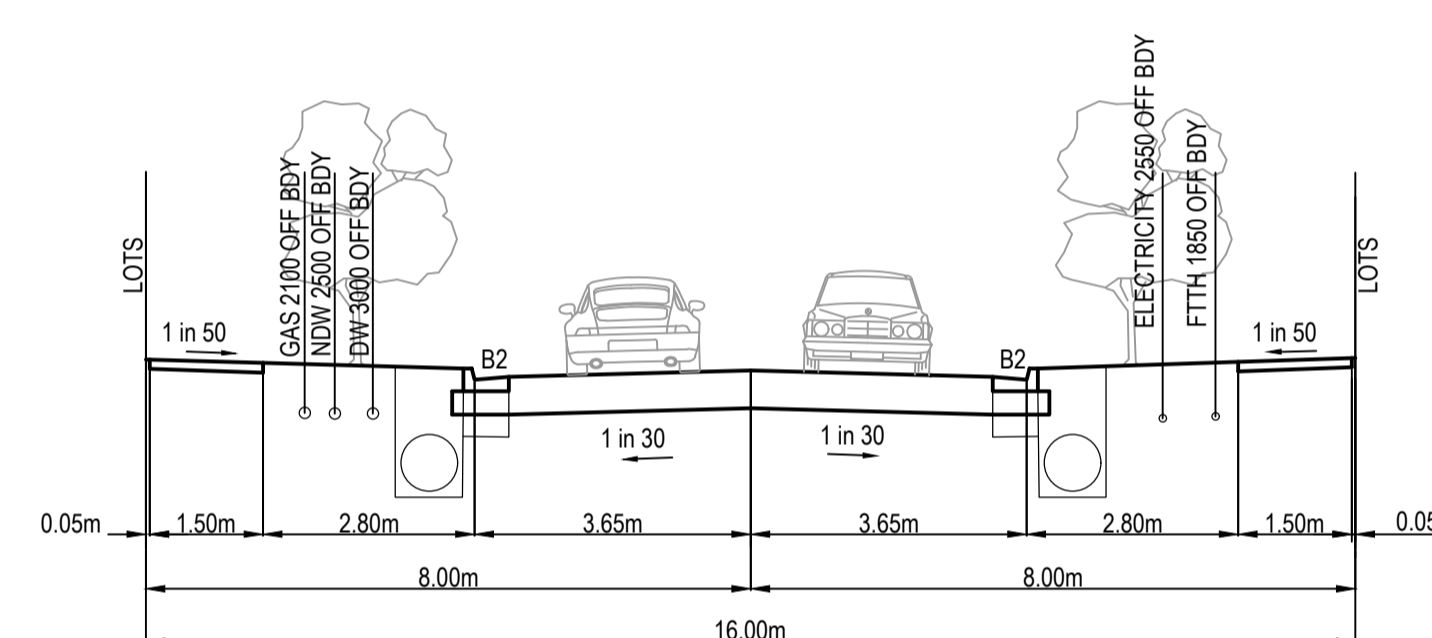
14.50m ACCESS STREET
COMPASS CRESCENT ADJACENT OPEN AREA



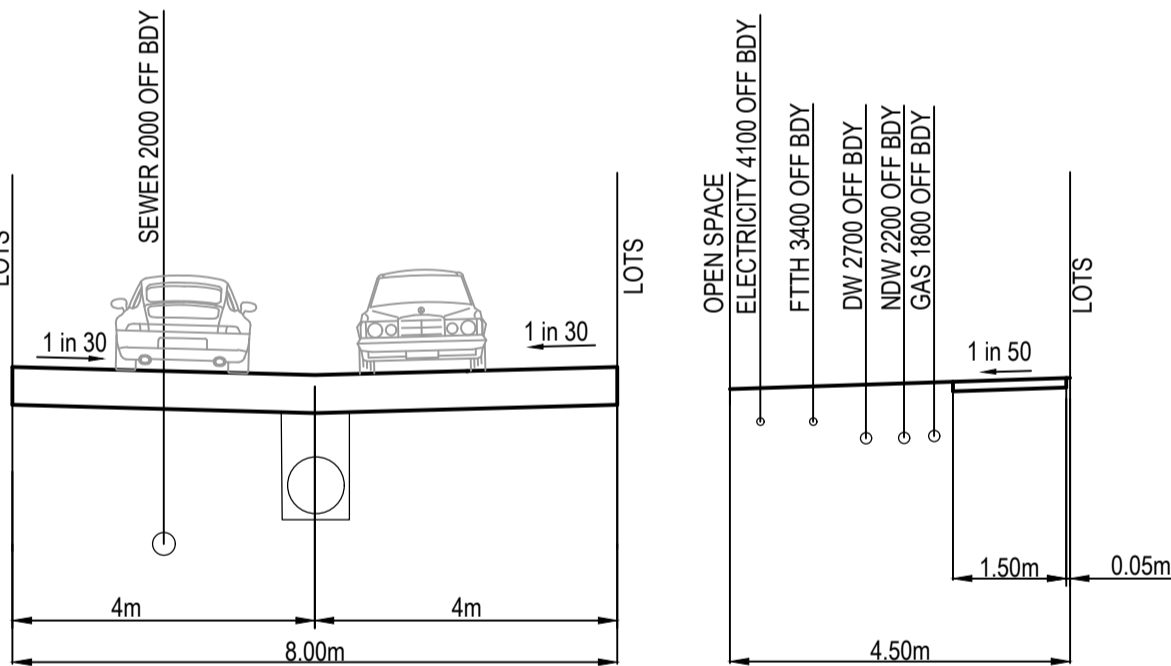
15.20m ACCESS STREET
COMPASS CRESCENT ADJACENT OPEN SPACE



21.5m ACCESS STREET
SOCIETY VISTA

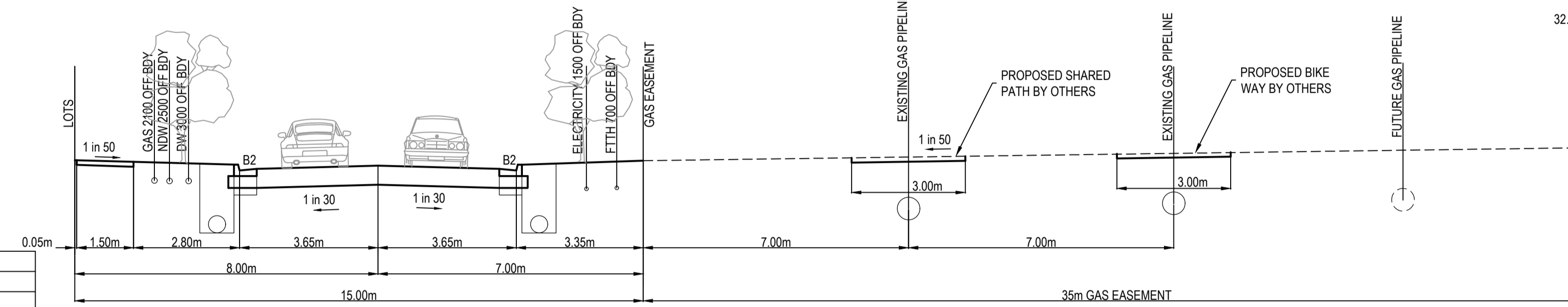


16m ACCESS STREET
VICINITY ROAD, MEDIAN GRANGE, COMPASS CRESCENT



8m ACCESS STREET
ROAD 1

4m PAPER ROAD
PAPER ROAD



15m MODIFIED ACCESS STREET ADJACENT GAS EASEMENT
PRECINCT WAY

POINT	EAST	NORTHING	ELEVATION	DESCRIPTION
C180SSPL	323217.900	5843925.720	244.890	STAR PICKET
C177SSPL	323448.360	5843820.180	246.690	STAR PICKET
C179SSPL	323406.410	5843909.660	246.910	STAR PICKET

ROAD NAME	GAS		NON-DRINKING WATER		DRINKING WATER		ELECTRICITY		NBN	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
VICINITY ROAD	EAST	2.10	EAST	2.50	EAST	3.00	WEST	2.55	WEST	1.85
MEDIAN GRANGE	EAST	2.10	EAST	2.50	EAST	3.00	WEST	2.55	WEST	1.85
SOCIETY VISTA	WEST	3.50	WEST	4.00	WEST	4.50	EAST	2.80	EAST	1.85
COMPASS CRESCENT	SOUTH	2.10	SOUTH	2.50	SOUTH	3.00	NORTH	2.55	NORTH	1.85
COMPASS CRESCENT (ADJACENT OPEN SPACE)	SOUTH	2.10	SOUTH	2.50	SOUTH	3.00	NORTH	1.05	NORTH	0.35
PRECINCT WAY	WEST	2.10	WEST	2.50	WEST	3.00	EAST	1.50	SOUTH	0.70
FUTURE ORBIT LANE	-	-	-	-	-	-	EAST	1.50	-	-
FUTURE ATLAS WAY	EAST	1.80	EAST	2.20	EAST	2.70	EAST	4.10	EAST	3.40

ROAD NAME	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
VICINITY ROAD	16.00	6.40	7.30	7.60	B2	B2	4.35	4.35
MEDIAN GRANGE	16.00	6.40	7.30	7.60	B2	B2	4.35	4.35
SOCIETY VISTA	21.50	6.40	7.30	7.60	B2	B2	7.85	6.35
COMPASS CRESCENT	16.00	6.40	7.30	7.60	B2	B2	4.35	4.35
COMPASS CRESCENT (ADJACENT OPEN SPACE)	14.50	6.40	7.30	7.60	B2	B2	4.35	2.85
COMPASS CRESCENT (ADJACENT OPEN SPACE)	15.20	6.40	7.30	7.60	B2	B2	4.70	3.20
PRECINCT WAY	15.00	6.40	7.30	7.60	B2	B2	4.35	3.35
FUTURE ORBIT LANE	8.00	8.00	-	-	-	-	-	-
FUTURE ATLAS WAY	4.50	-	-	-	-	-	-	-

NOTES FOR WORKS UNDER OVERHEAD ELECTRICAL POWERLINES

1. MAINTENANCE AND REFUELLING OF VEHICLES AND EQUIPMENT MUST NOT BE CARRIED OUT UNDER POWERLINES
2. THE STORAGE OR HANDLING OF FLAMMABLE LIQUIDS OR GASSES IS NOT PERMITTED UNDER POWERLINES
3. THE PARKING OF LARGE VEHICLES OR CARAVANS, SITE HUTS OR SIMILAR IS NOT PERMITTED UNDER POWERLINES
4. STOCKPILING OF EXCAVATED MATERIAL IS NOT PERMITTED UNDER POWERLINES
5. VEHICLES AND EQUIPMENT EXCEEDING 3 METRES MAXIMUM OPERATING HEIGHT ARE NORMALLY NOT PERMITTED UNDER AUSNETS POWERLINES. A HIGHER OPERATING HEIGHT LIMIT IS SUBJECT TO SUFFICIENT CLEARANCE TO THE CONDUCTORS AND WRITTEN APPROVAL
6. SP AUSNETS LINES CONTRACT SUPERVISOR MUST BE NOTIFIED AT LEAST 10 WORKING DAYS PRIOR TO THE WORKS COMMENCING SO THAT APPROPRIATE PERMITS CAN BE ARRANGED. ADDITIONAL SAFETY PRECAUTIONS DEEMED NECESSARY WILL BE ADVISED AT THIS TIME. ALL PERSONS COMMENCING WORK ON THE SITE MUST BE MADE AWARE OF PERMIT CONDITIONS AND SAFETY PRECAUTIONS
7. ALL WORK IN THE VICINITY MUST BE IN ACCORDANCE WITH THE INDUSTRIES NO GO ZONE REQUIREMENTS AND SP AUSNET MUST BE SATISFIED THAT ALL SUB CONTRACTORS WORKING IN THE AREA IN THE VICINITY OF THE OVERHEAD LINES WORK WITHIN THESE GUIDELINES, INCLUDING THE PROVISION OF A SPOTTER AS REQUIRED.

WARNING
BEWARE OF UNDERGROUND SERVICES

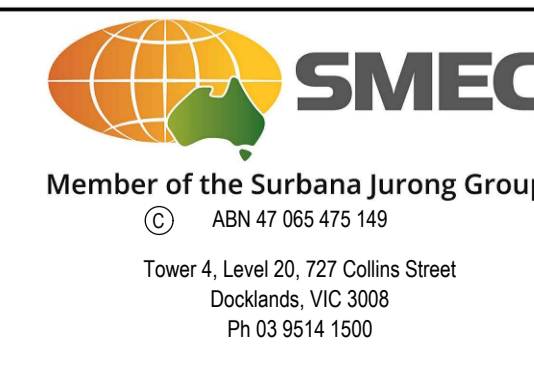
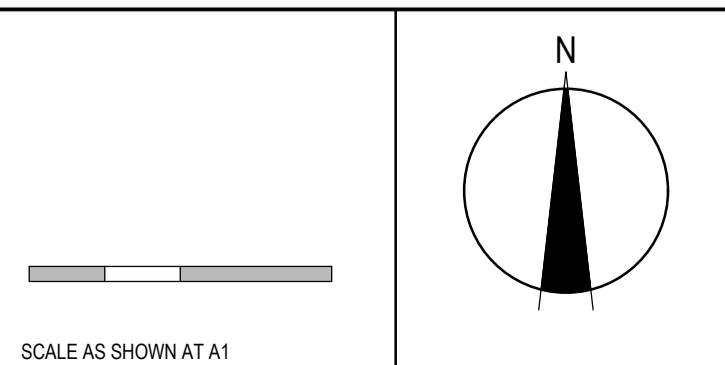
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS
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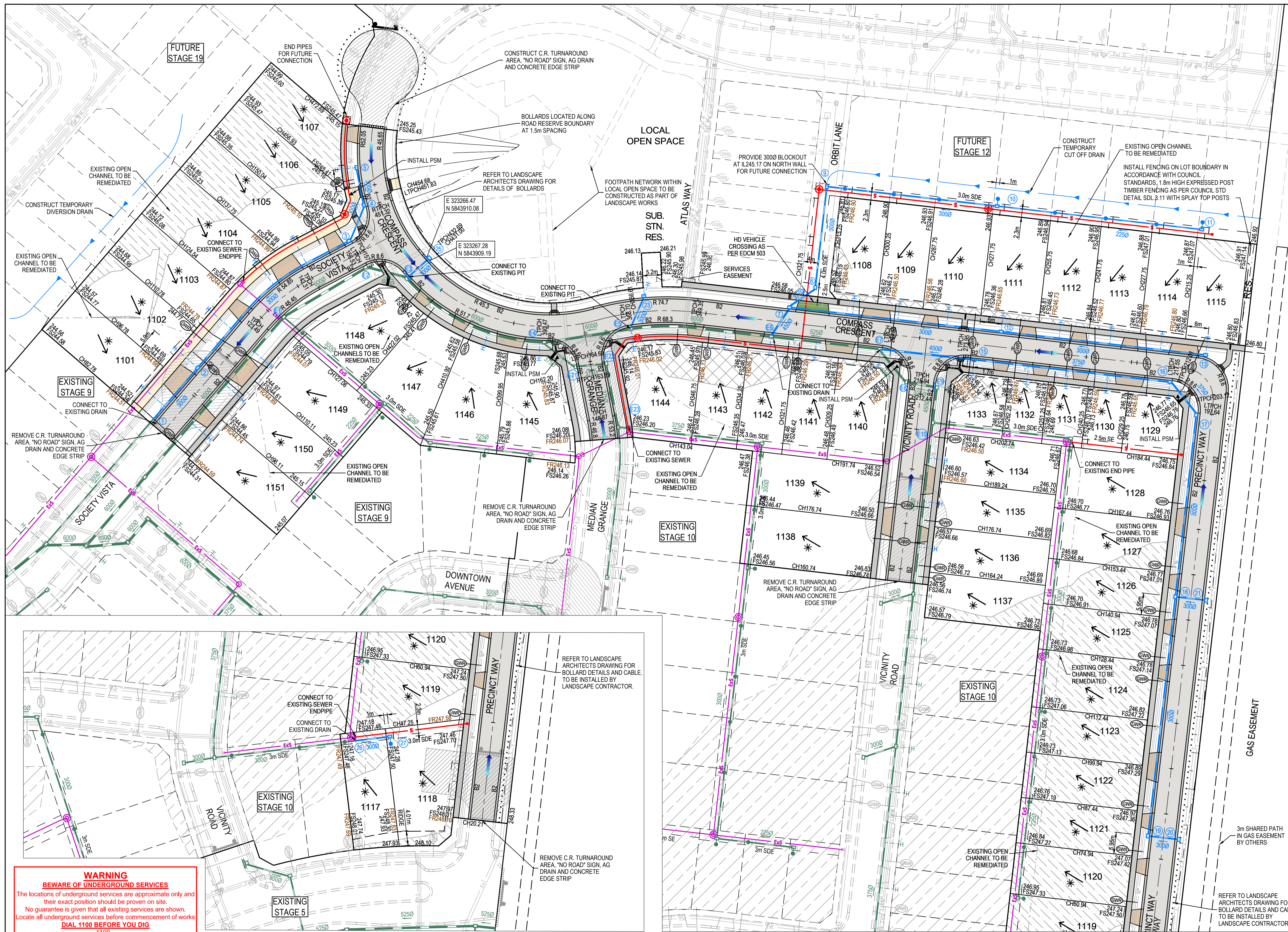


TITLE	NAME
DRAFTER	M.Angay
DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	



Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Cover Plan

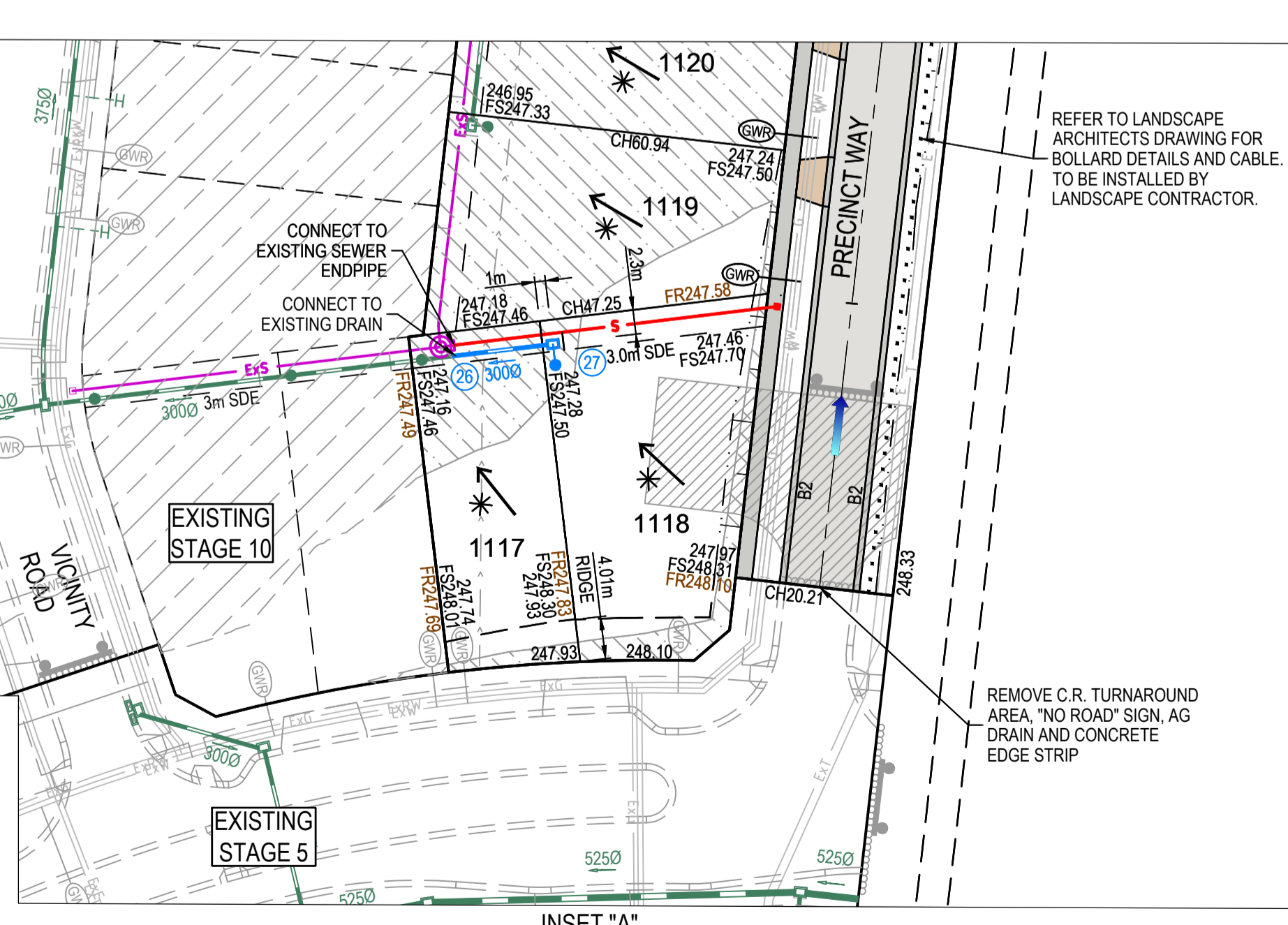
MELWAYS REF	PROJECT / DRAWING No	SHEET No	REVISION
8 M2	1700E-11-01	01 of 20	1



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

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.GROUND)
	GAS
	TELSTRA
	WATER
	RECYCLE WATER
	AG DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING AG DRAIN
	M
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE AG DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
	EXISTING SURFACE LEVEL
	FINISHED BUILDING LINE LEVEL
	FINISHED RIDGE LINE LEVEL
	CHAINAGE
	TOP OF RETAINING WALL LEVEL
	BOTTOM OF RETAINING WALL LEVEL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
	EXISTING RED GUM TREE & CANOPY TO BE REMOVED
	EXISTING OTHER SPECIES TREE & CANOPY TO BE REMOVED
	EXISTING RED GUM TO BE RETAINED
	EXISTING OTHER SPECIES TO BE RETAINED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING

WARNING
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FOR CONTINUATION REFER SHEET INSET "A"

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AS CONSTRUCTED

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CHECKED	K.Moore
AUTHORISED	A.Burrows
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REFERENCE No. 2	

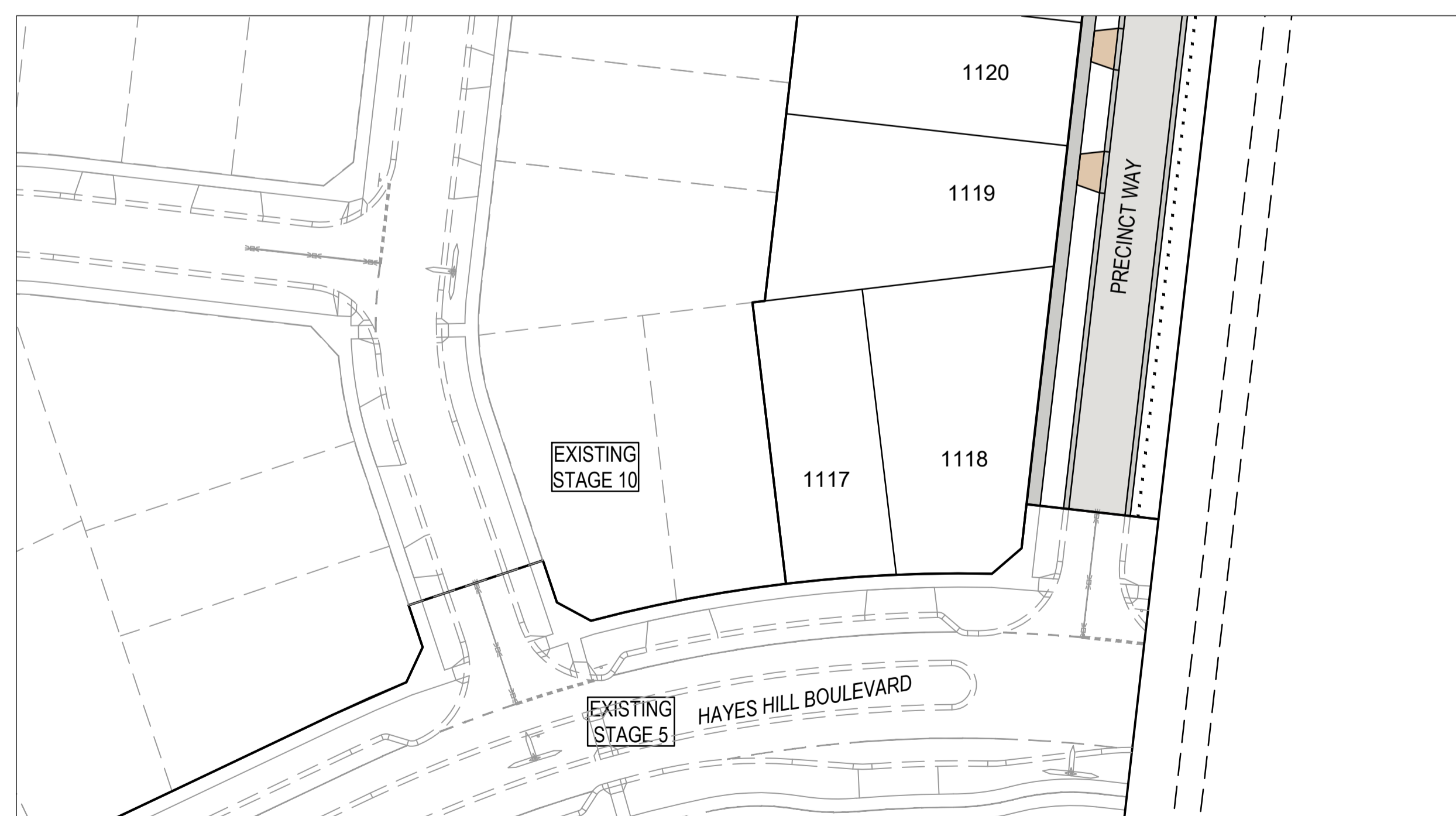
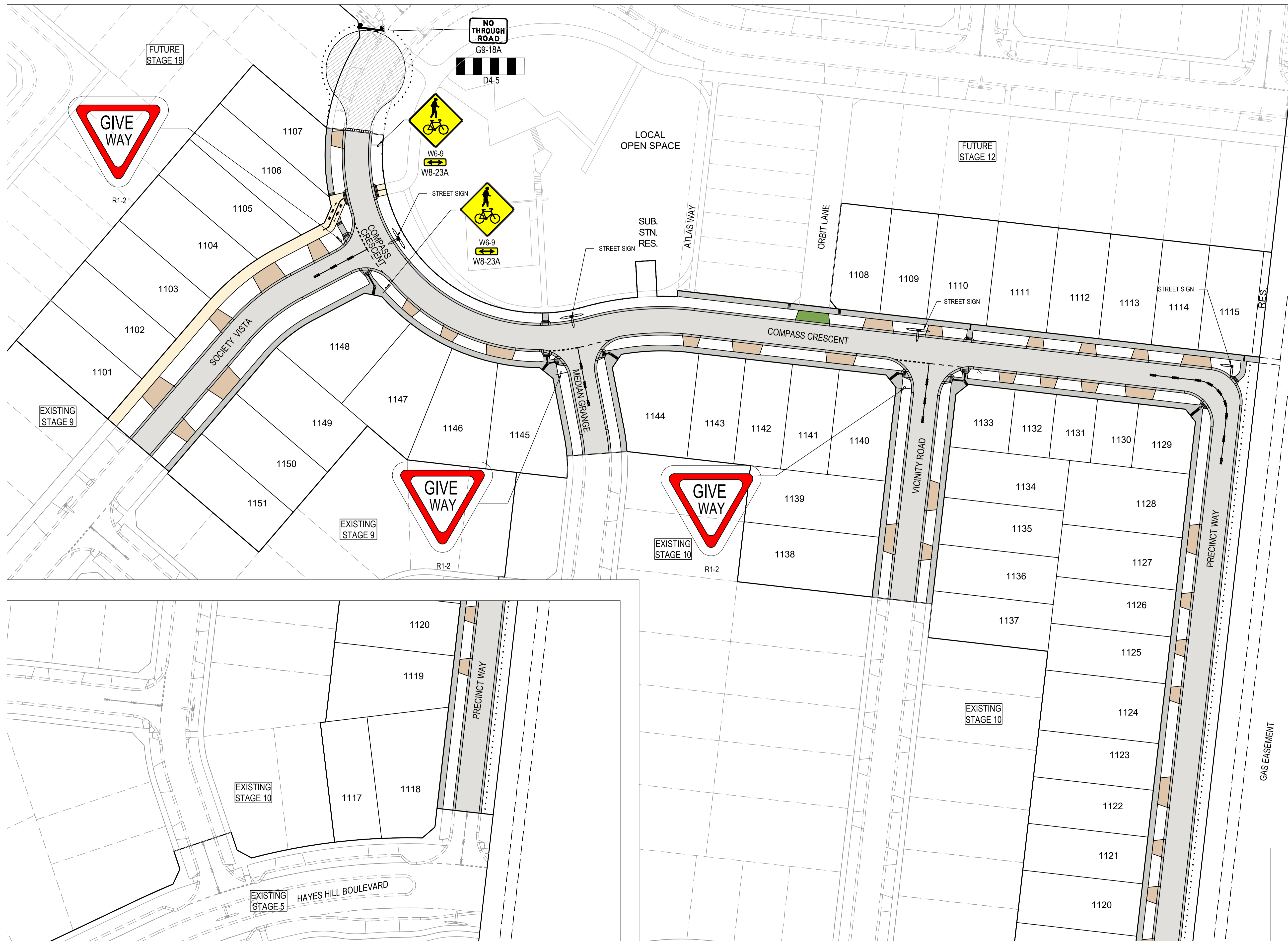
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mirvac

Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Layout Plan

MELWAYS REF: 8 M2
PROJECT / DRAWING No: 1700E-11-02
SHEET No: 02 of 20
REVISION: 6



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

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INSET "A"

FOR CONTINUATION REFER SHEET INSET "A"

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

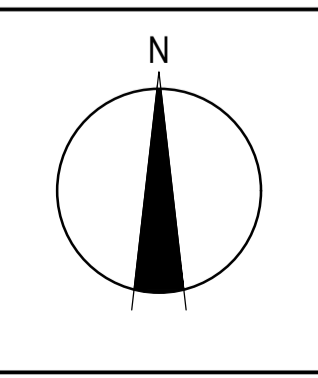
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Quality Management ISO 9001
OHS Management AS/NZS 1801
Environmental Management ISO 14001

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DRAFTER	M.Angay
DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	

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



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Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Signs & Linemarking Plan

MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-03	SHEET No. 03 of 20	REVISION 4
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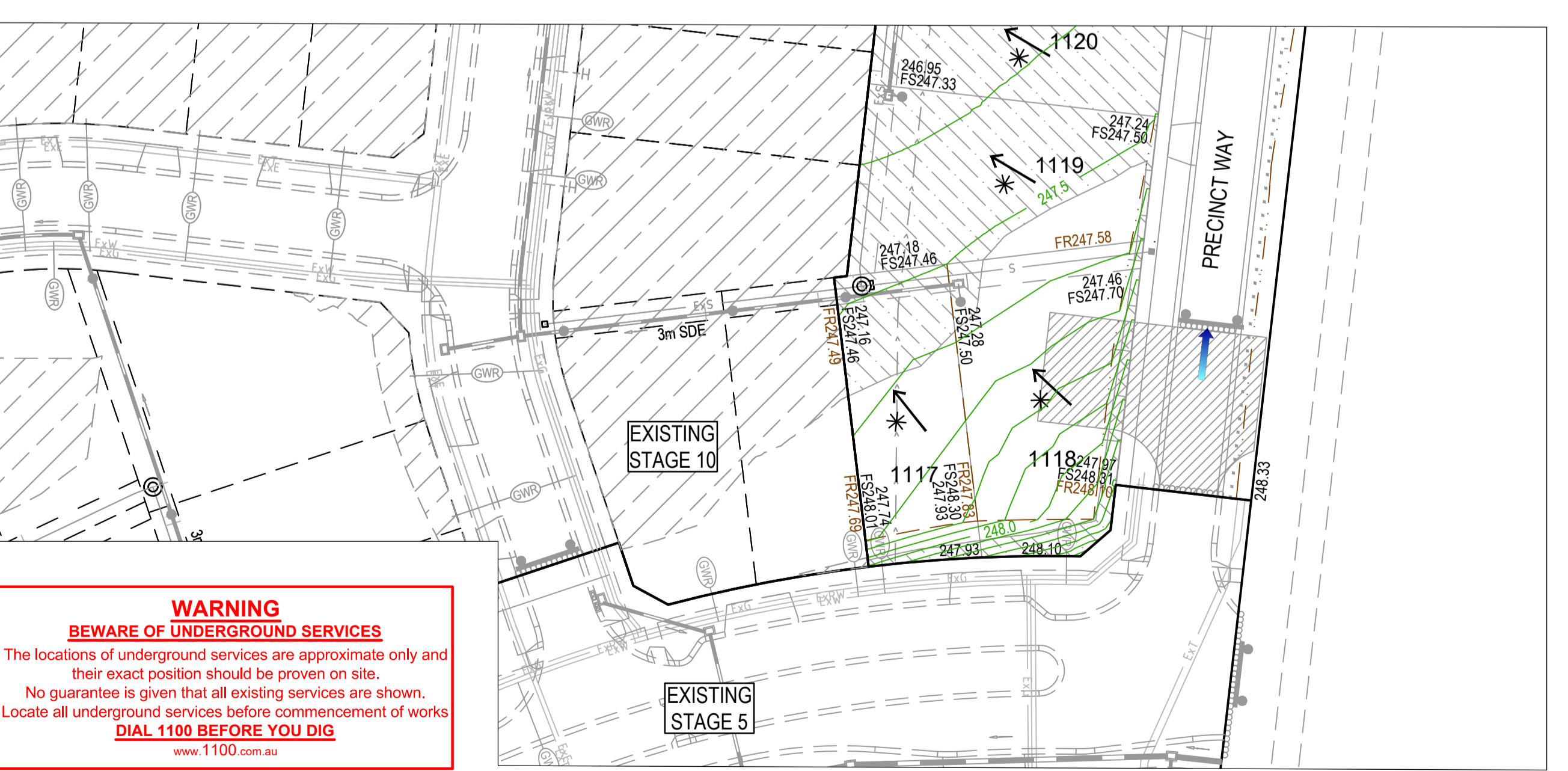
LEGEND - EARTHWORKS PLAN
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U. GROUND)
	ELECTRICITY (O. HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLED WATER
	AG. DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING ELECTRICITY OVERHEAD
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING OPTIC FIBRE
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING AG. DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE ELECTRICITY OVERHEAD
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE AG. DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
	141.34 EXISTING SURFACE LEVEL
	FS140.35 FINISHED BUILDING LINE LEVEL
	FR157.40 FINISHED RIDGE LINE LEVEL
	CH270.00 CHAINAGE
	TW159.60 TOP OF RETAINING WALL LEVEL
	BW159.00 BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

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EXISTING STAGE 5

INSET "A"



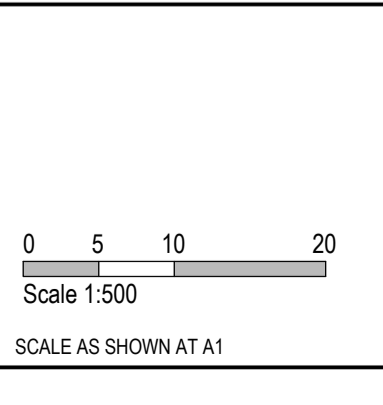
FOR CONTINUATION REFER SHEET INSET "A"

AS CONSTRUCTED PLANS
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AS CONSTRUCTED

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TITLE	NAME
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DESIGNER	M.Angay
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REFERENCE No. 1	
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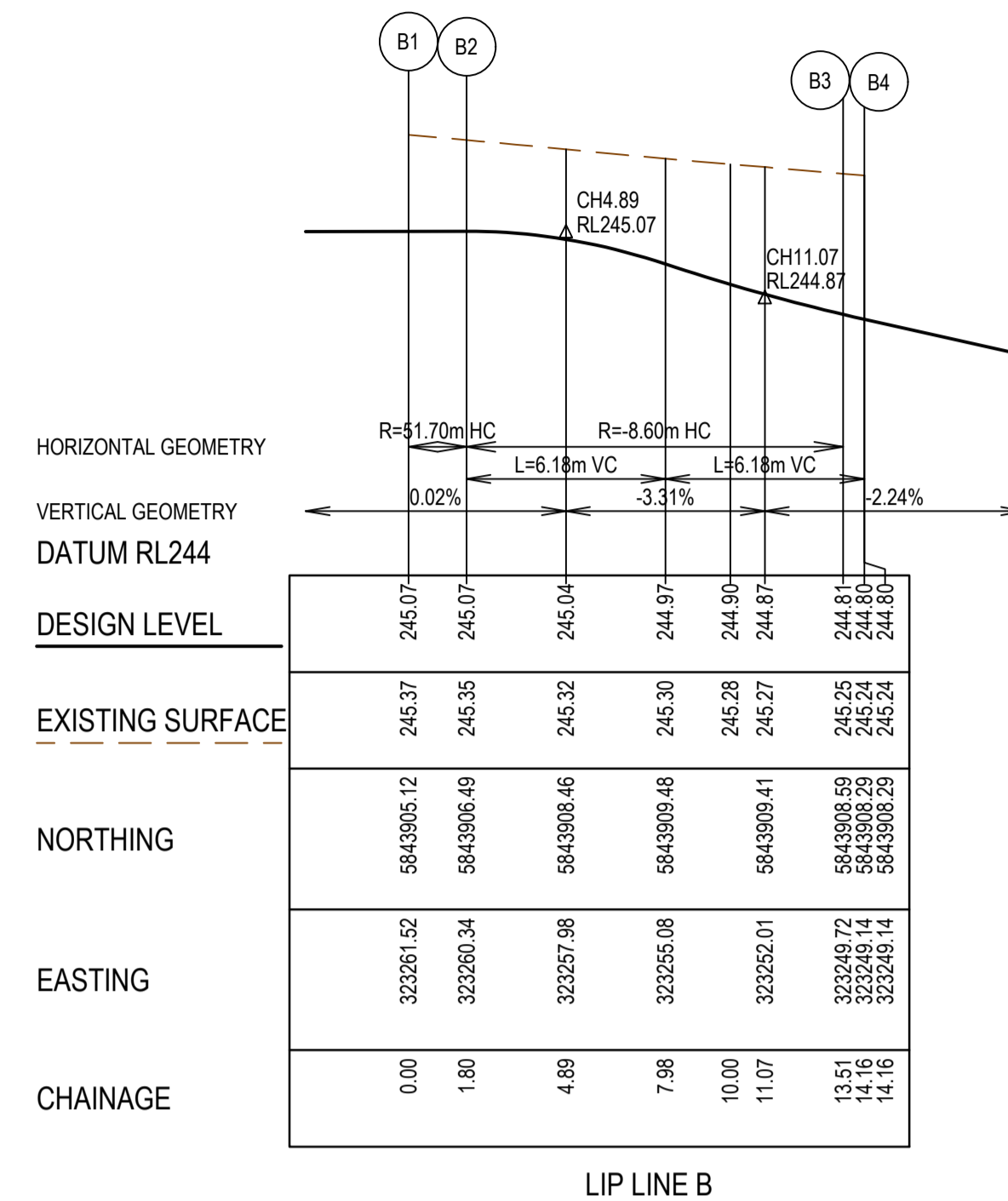
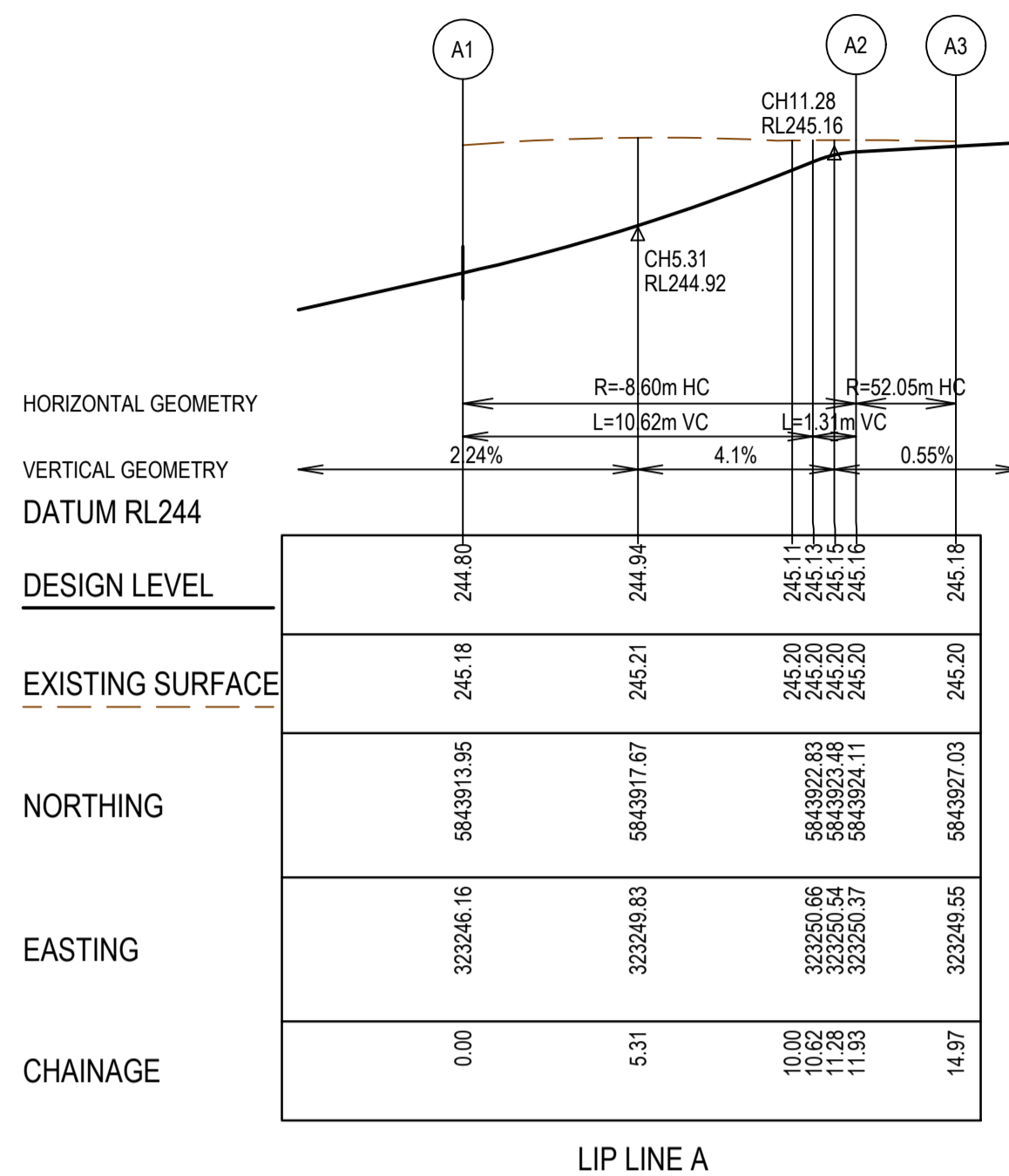
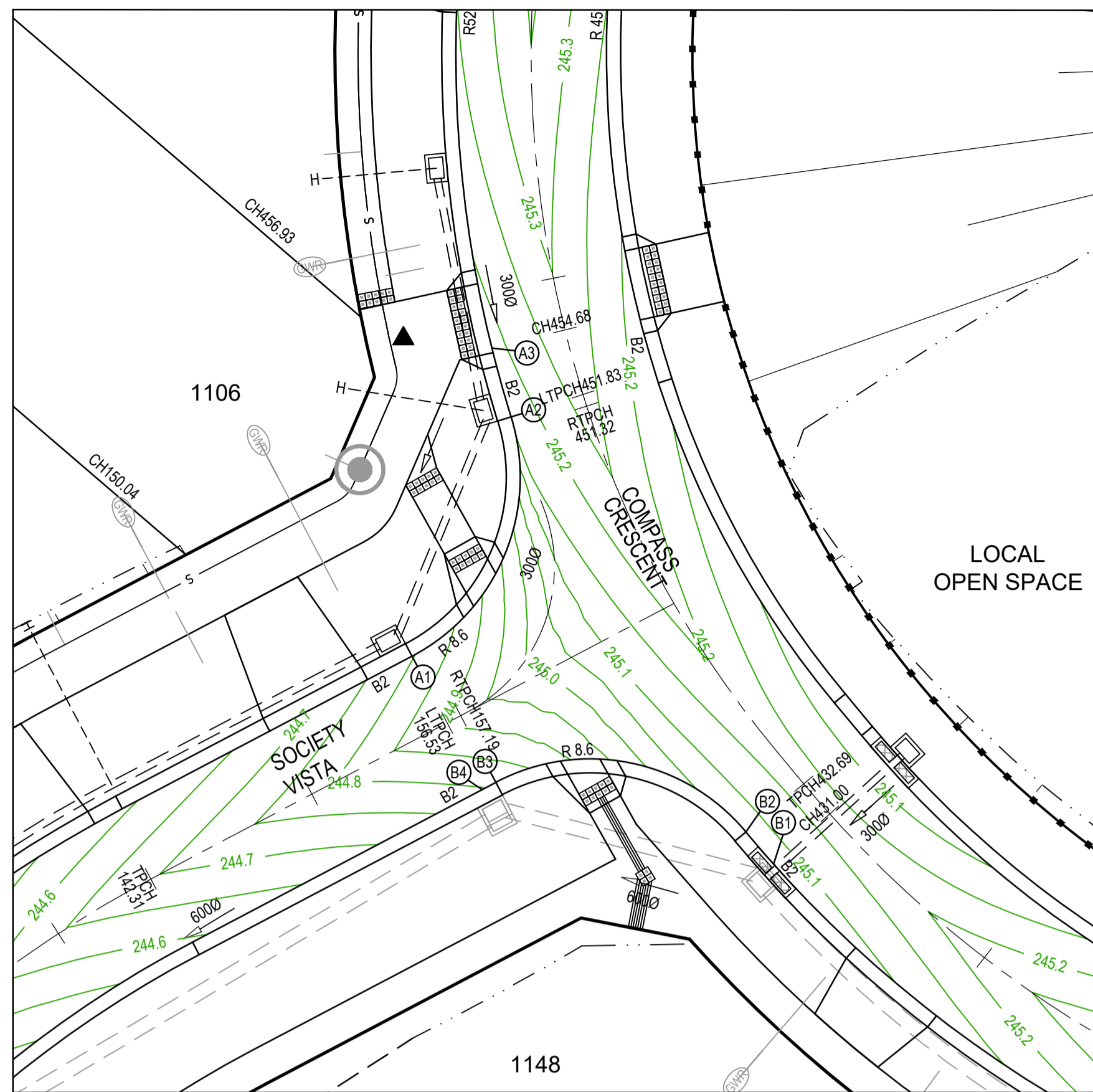


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mirvac

Olivine Estate - Stage 11
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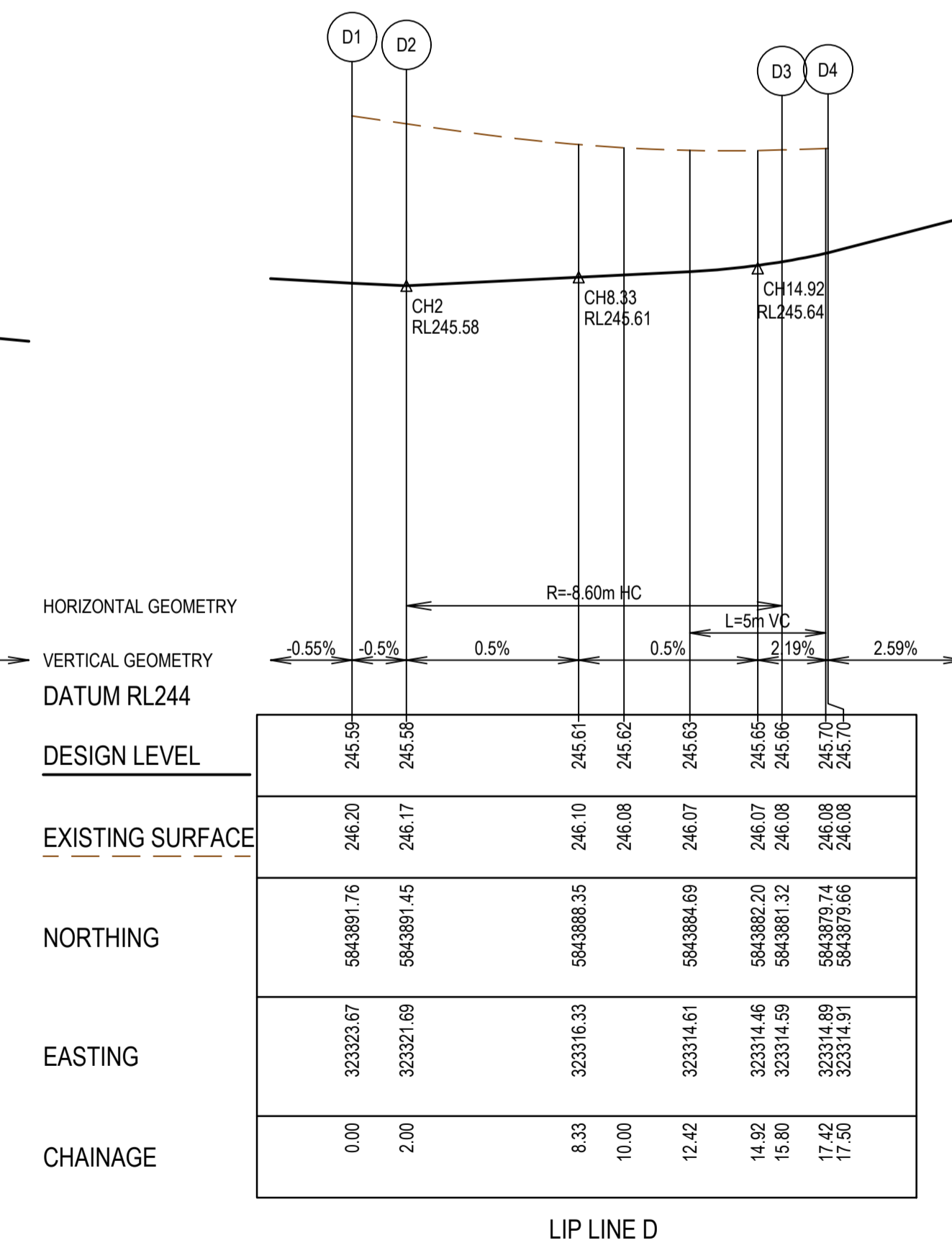
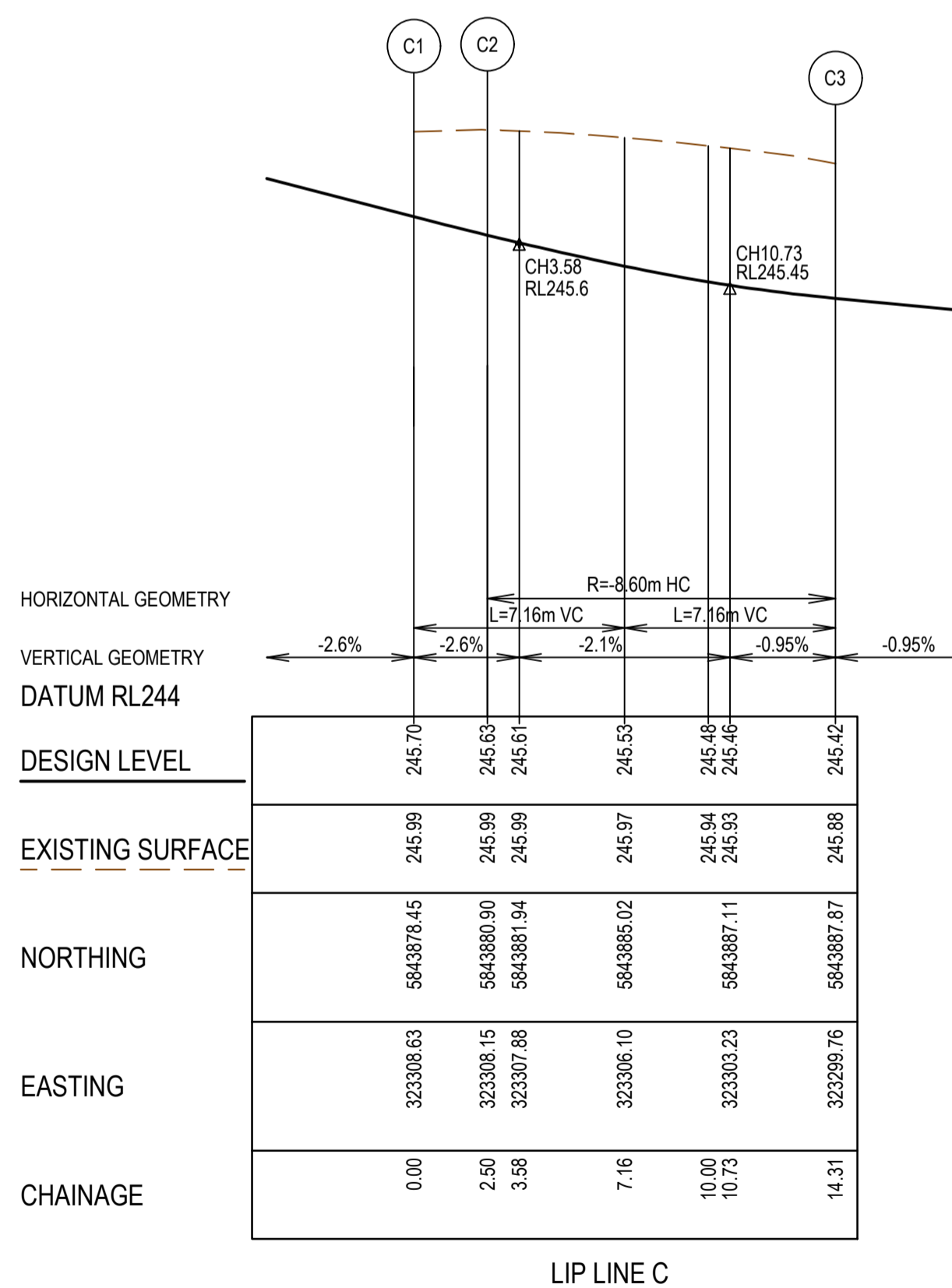
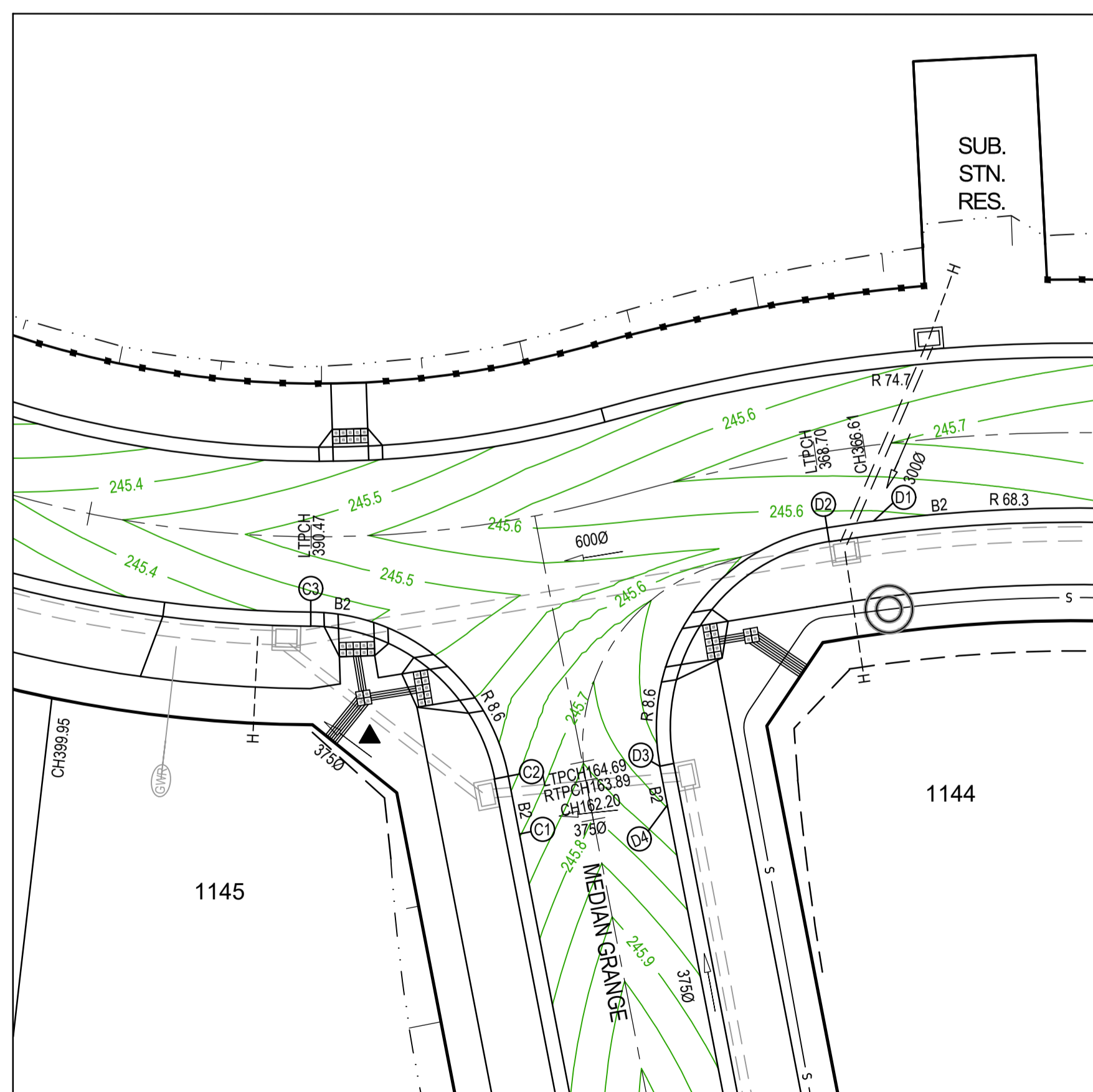
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
8 M2	1700E-11-04	04 of 20	4



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

- NOTES**
1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
 2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
 3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.
 4. INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO BE PROVIDED AS PART OF LANDSCAPE WORKS.
 5. SHARE PATH THROUGH CREEK CORRIDOR TO FORM PART OF LANDSCAPE WORKS.



AS CONSTRUCTED PLANS

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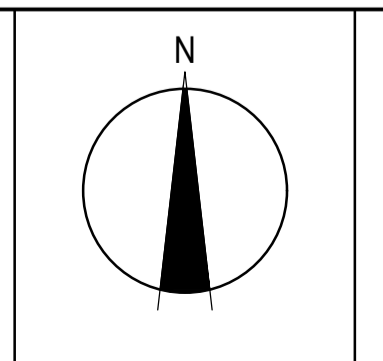
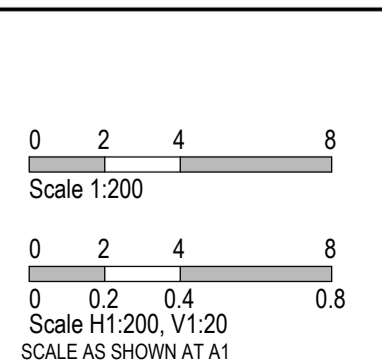
AS CONSTRUCTED

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 OHS Management AS/NZS 4801
 Environmental Management ISO 14001

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TITLE	NAME
DRAFTER	M.Angay
DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	

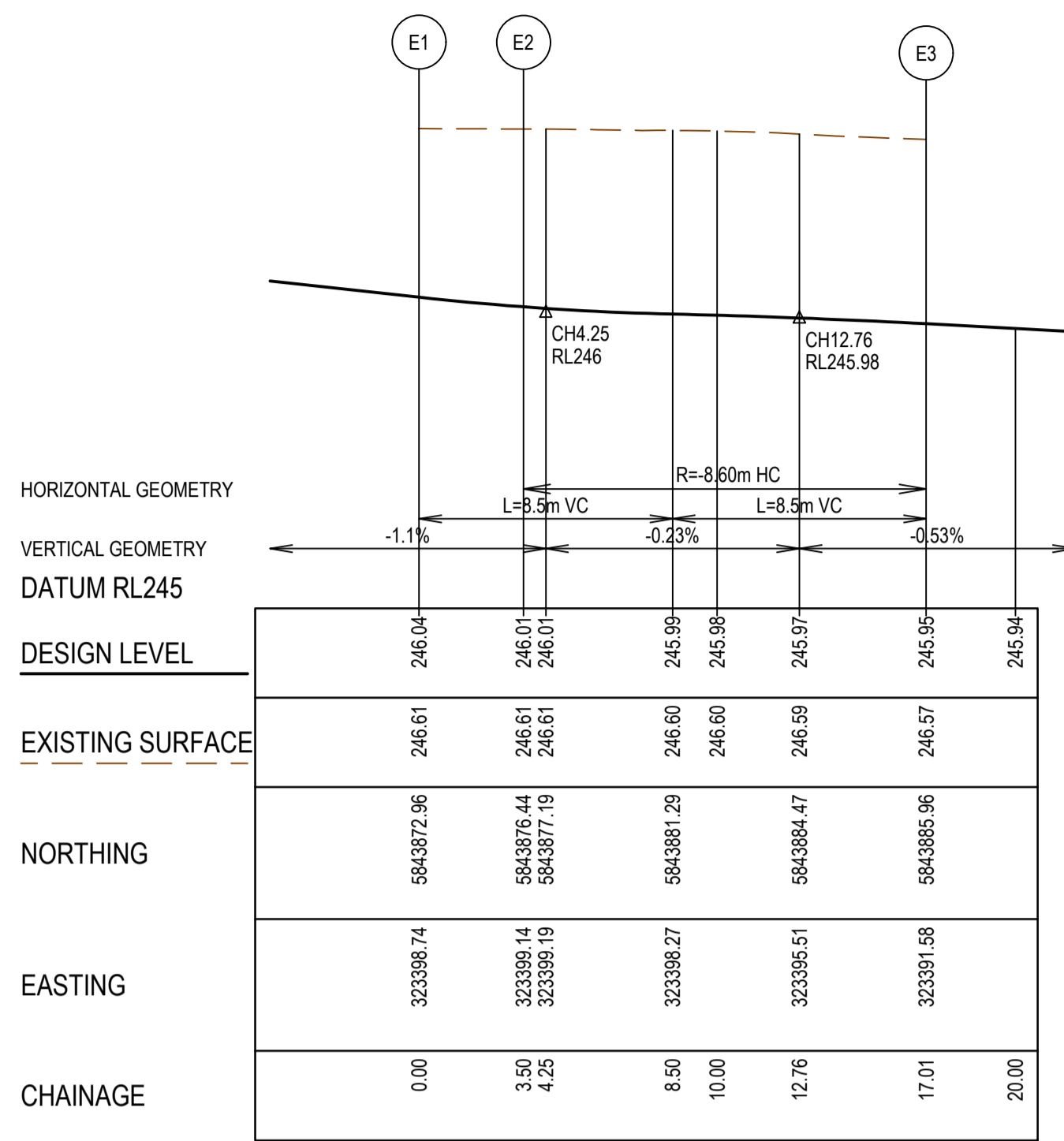
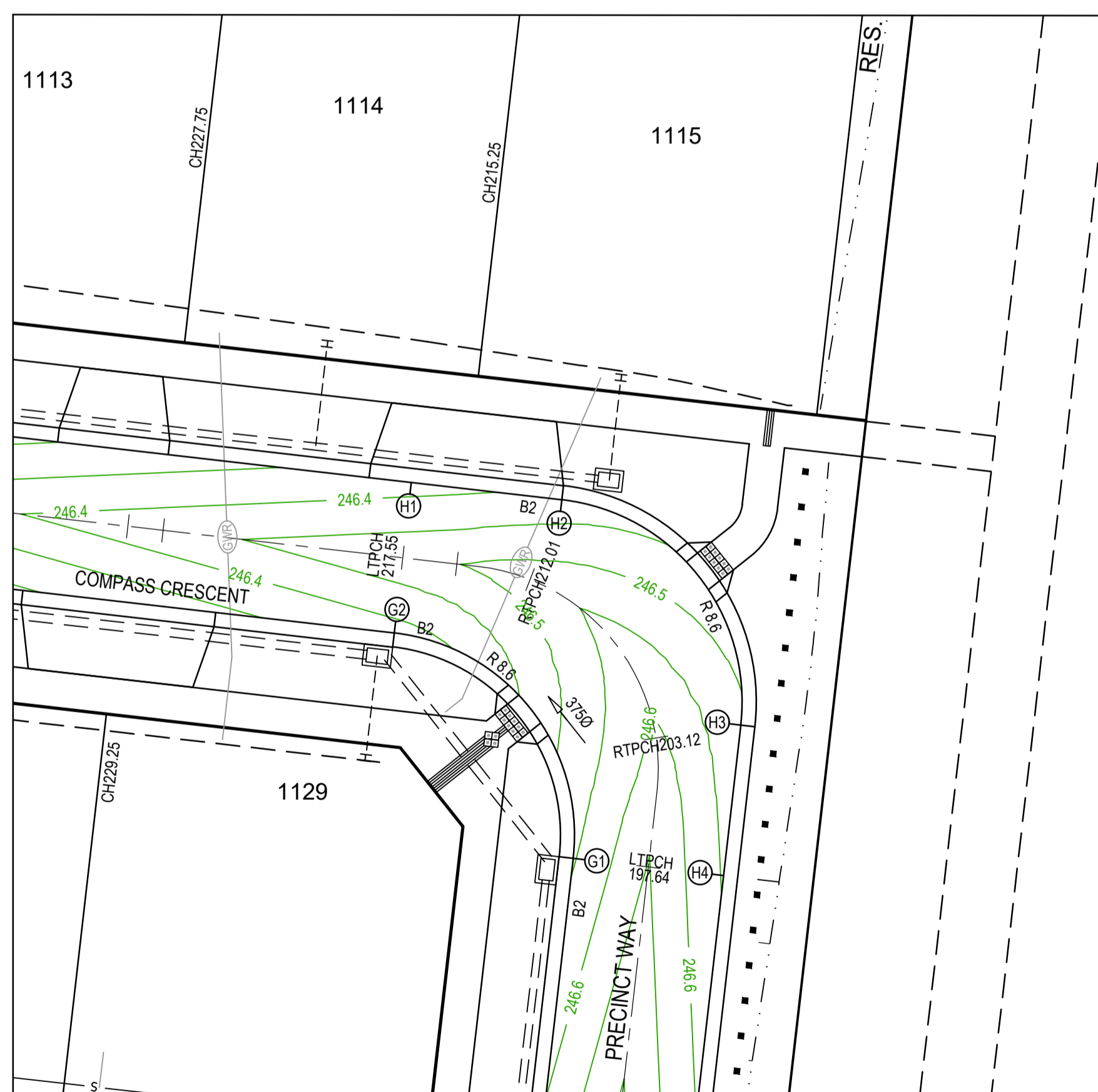
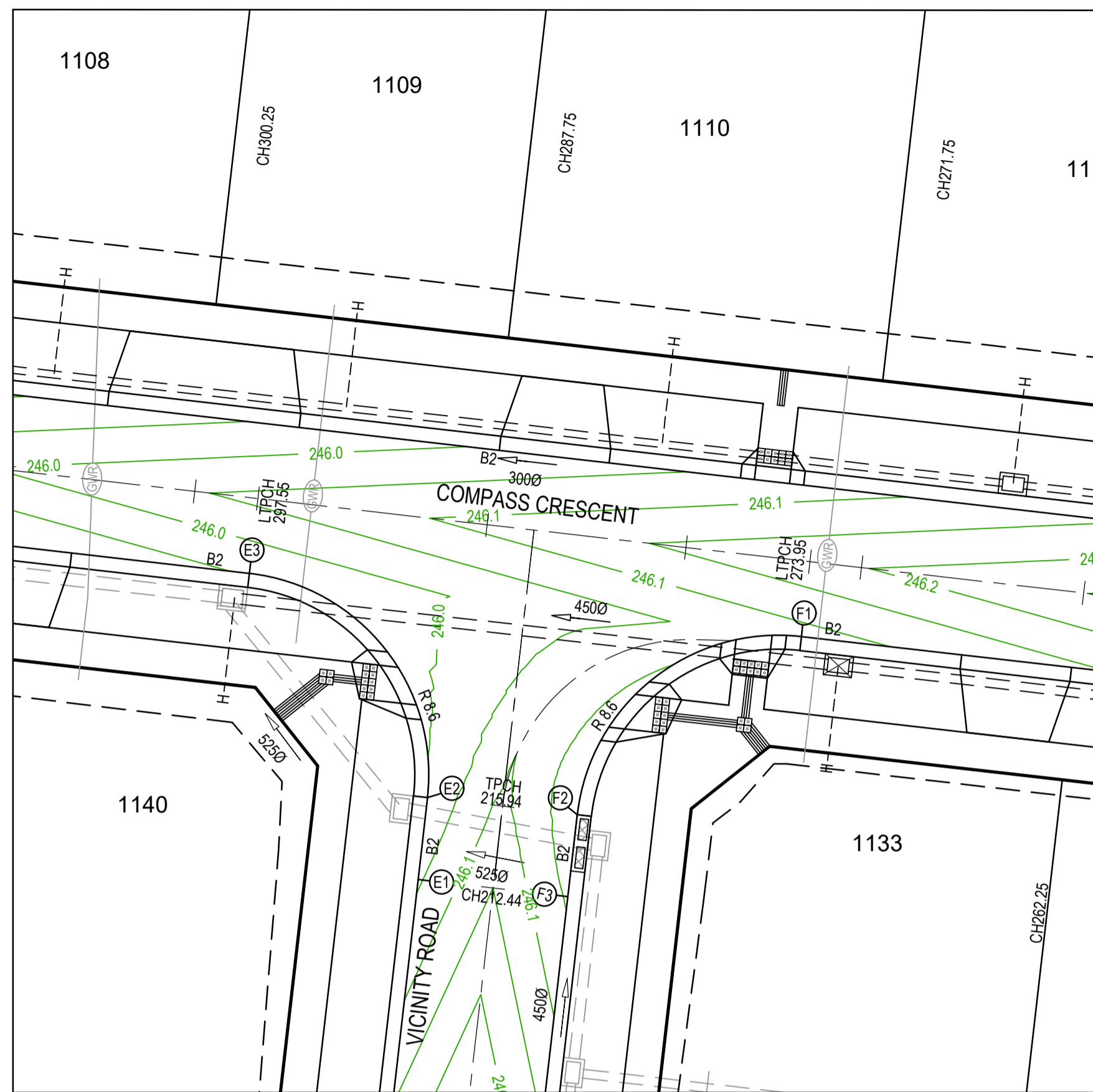


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 ABN 47 065 475 149
 Tower 4, Level 20, 727 Collins Street
 Docklands, VIC 3008
 Ph 03 9514 1500

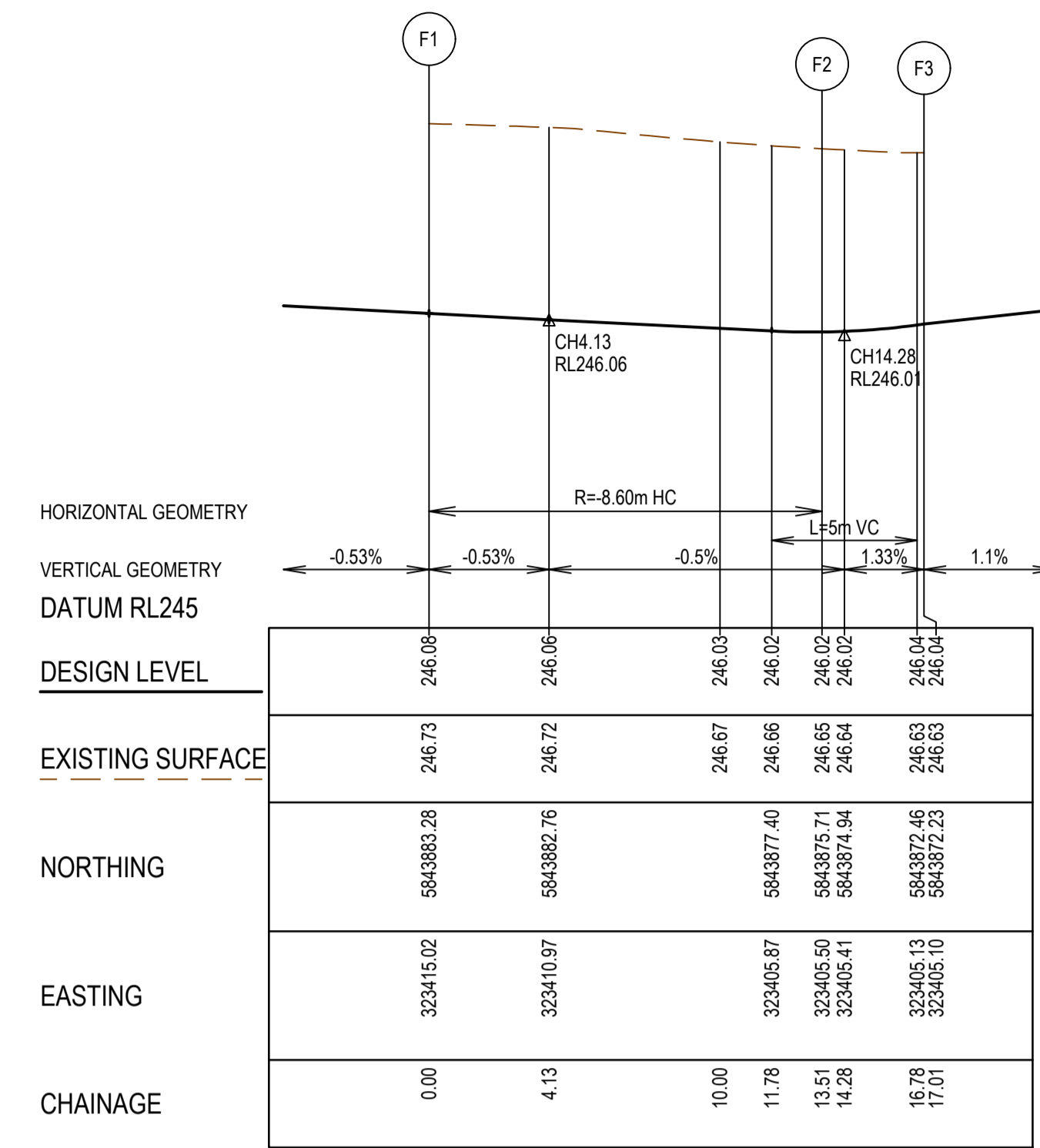
mirvac

Olivine Estate - Stage 11
 Whittlesea City Council
 Road and Drainage
 Intersection Detail Plan -1

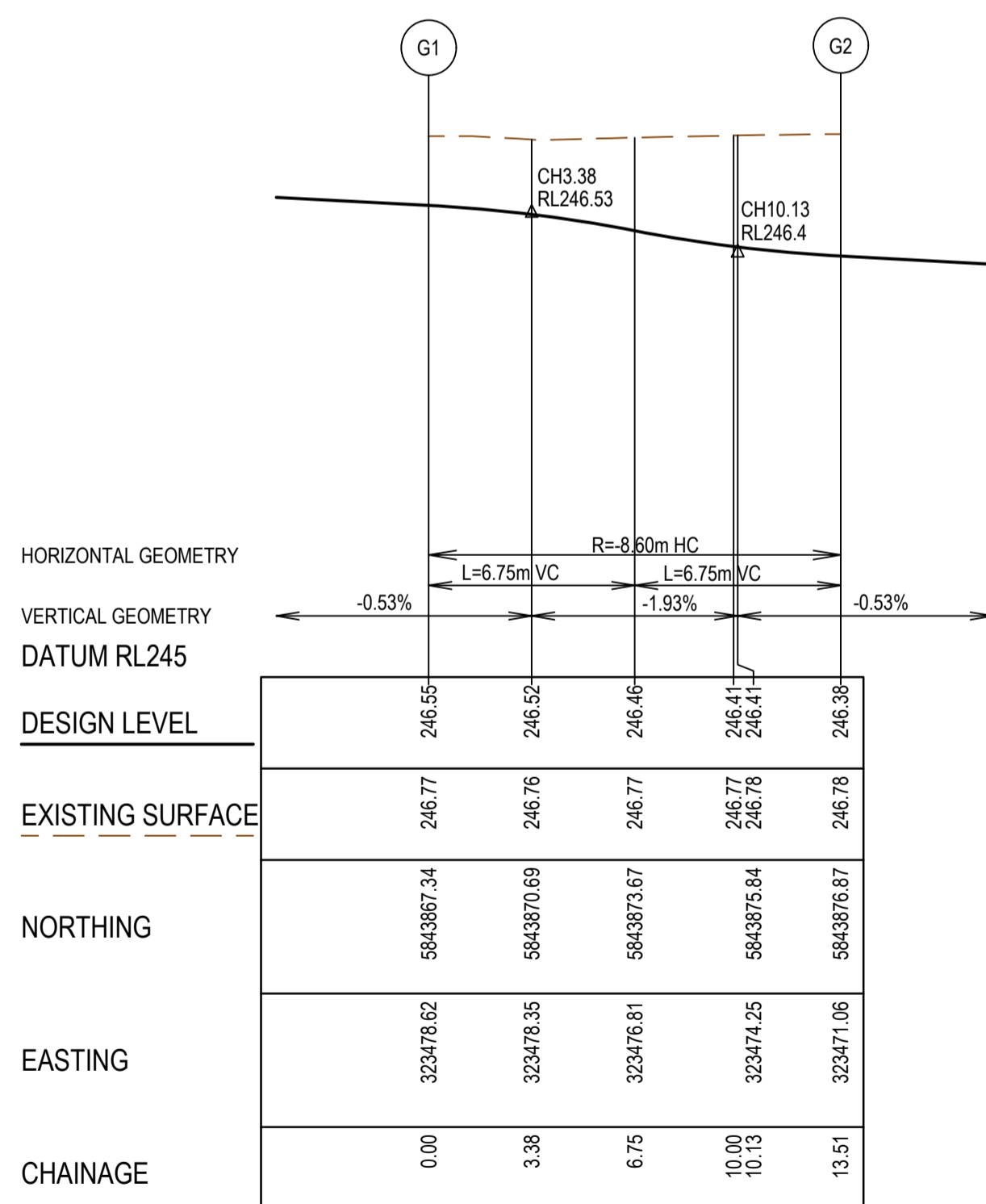
MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-05	SHEET No. 05 of 20	REVISION 3
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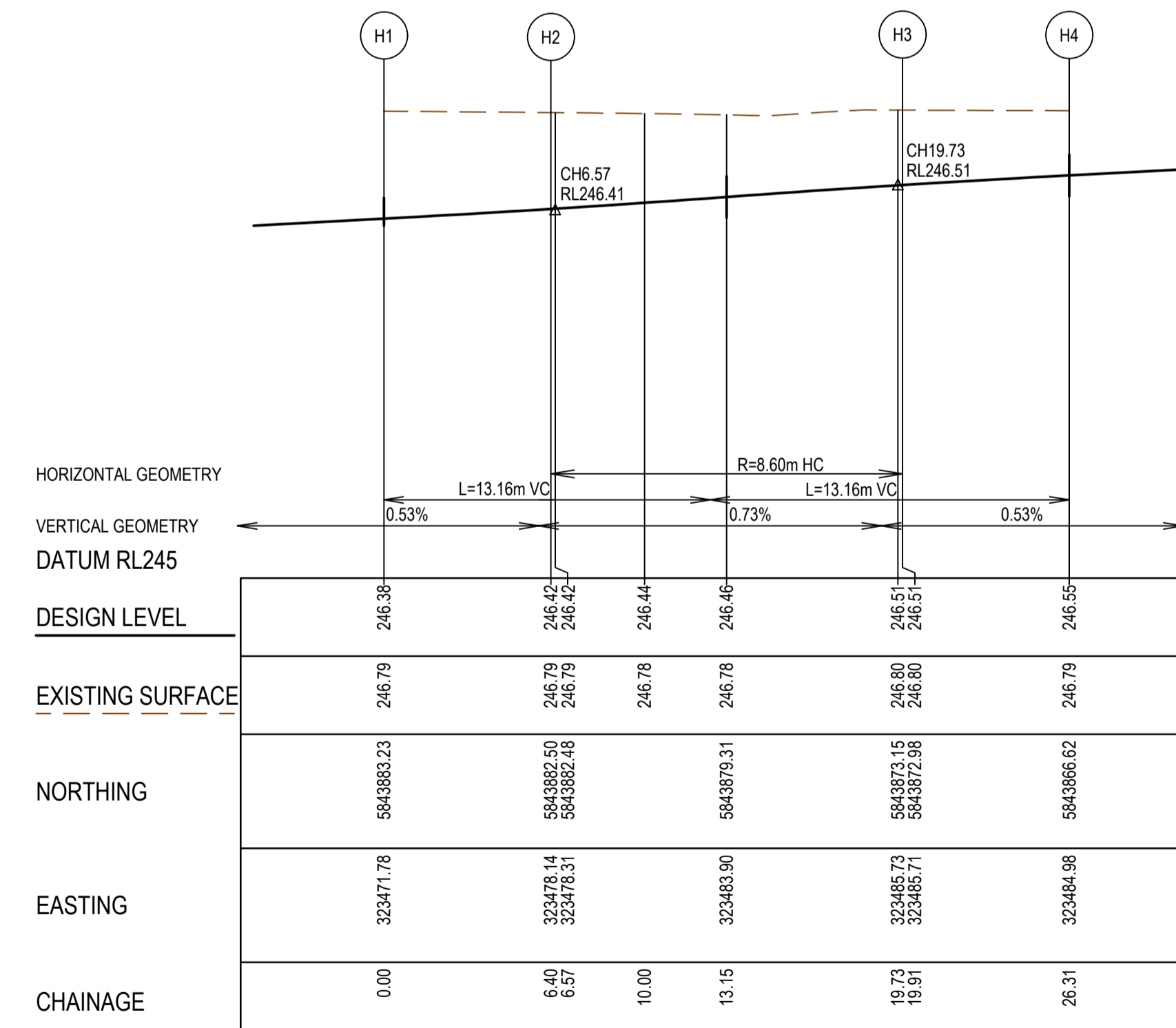
LIP LINE E



LIP LINE F



LIP LINE G



LIP LINE H

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

- NOTES**
1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
 2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
 3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.
 4. INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO BE PROVIDED AS PART OF LANDSCAPE WORKS.
 5. SHARE PATH THROUGH CREEK CORRIDOR TO FORM PART OF LANDSCAPE WORKS.

AS CONSTRUCTED PLANS
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AS CONSTRUCTED

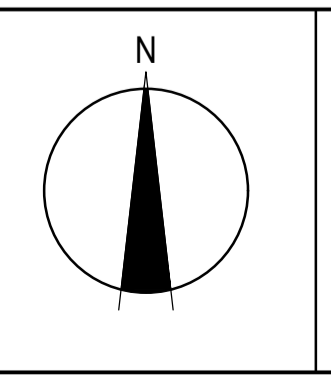
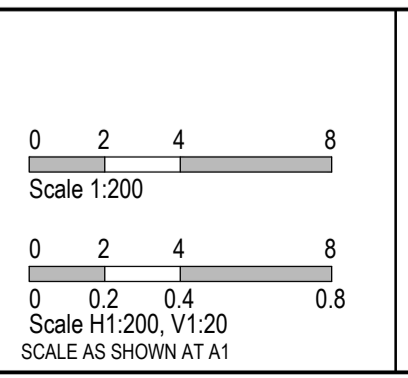
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OH&S Management - AS/NZS 1881
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Environmental Management ISO 14001
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TITLE	NAME
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DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
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REFERENCE No. 2	

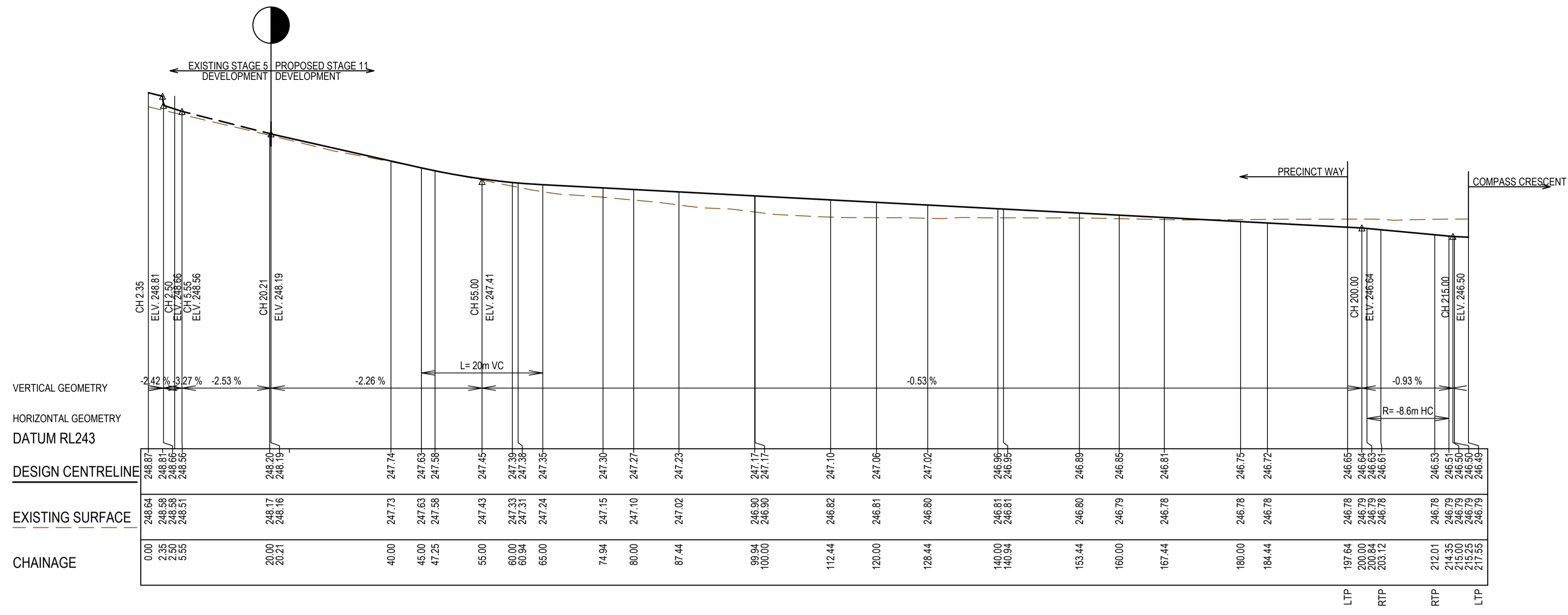


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ABN 47 065 475 149
Tower 4, Level 20, 727 Collins Street
Docklands, VIC 3008
Ph 03 9514 1500

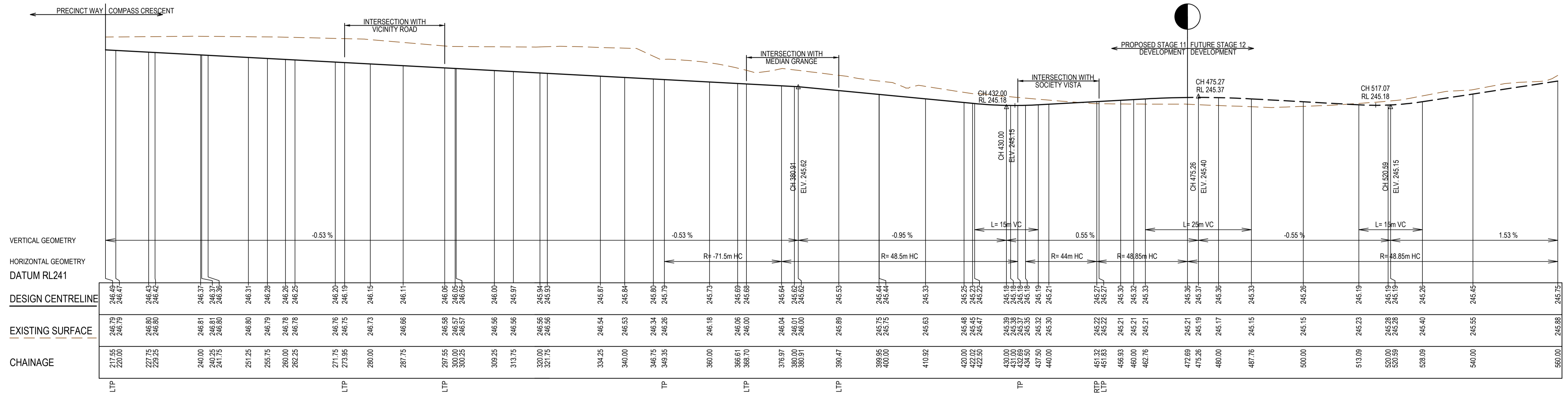
mirvac

Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Intersection Detail Plan -2

MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-06	SHEET No. 06 of 20	REVISION 1
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PRECINCT WAY LONGITUDINAL SECTION



COMPASS CRESCENT LONGITUDINAL SECTION

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 Environmental Management ISO 14001

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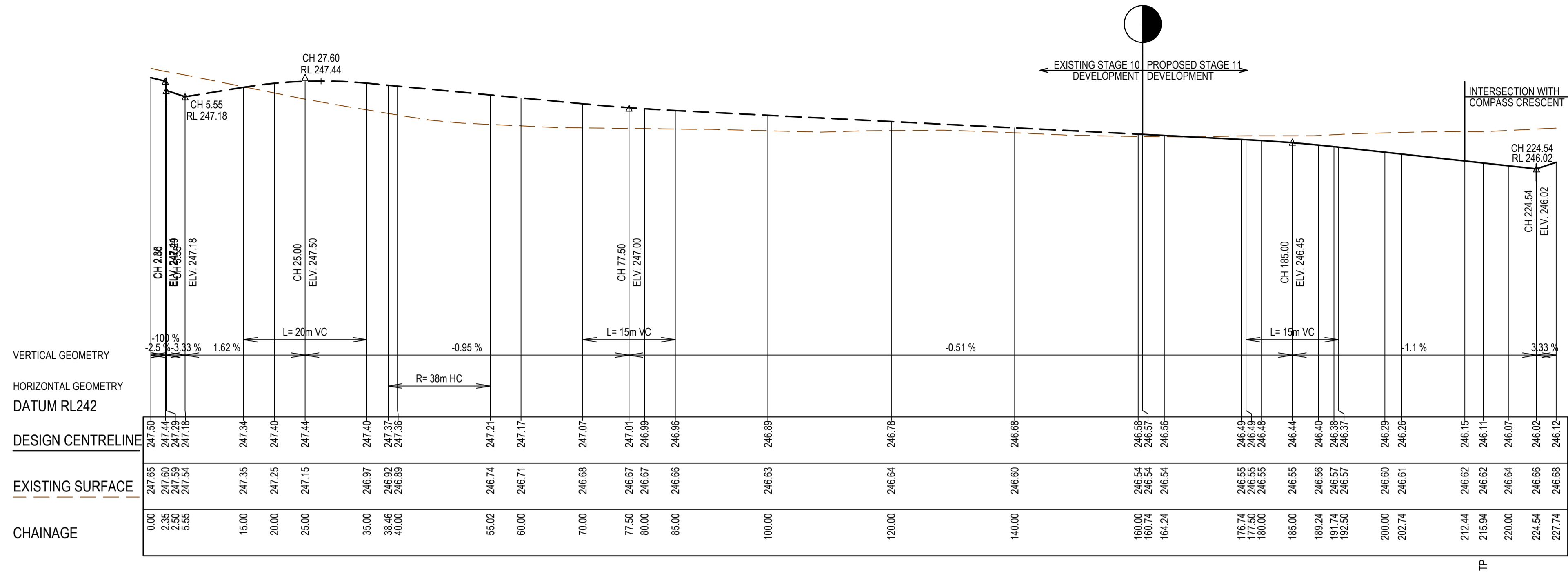
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 Member of the Surlana Jurong Group
 ABN 47 065 475 149
 Tower 4, Level 20, 727 Collins Street
 Docklands, VIC 3008
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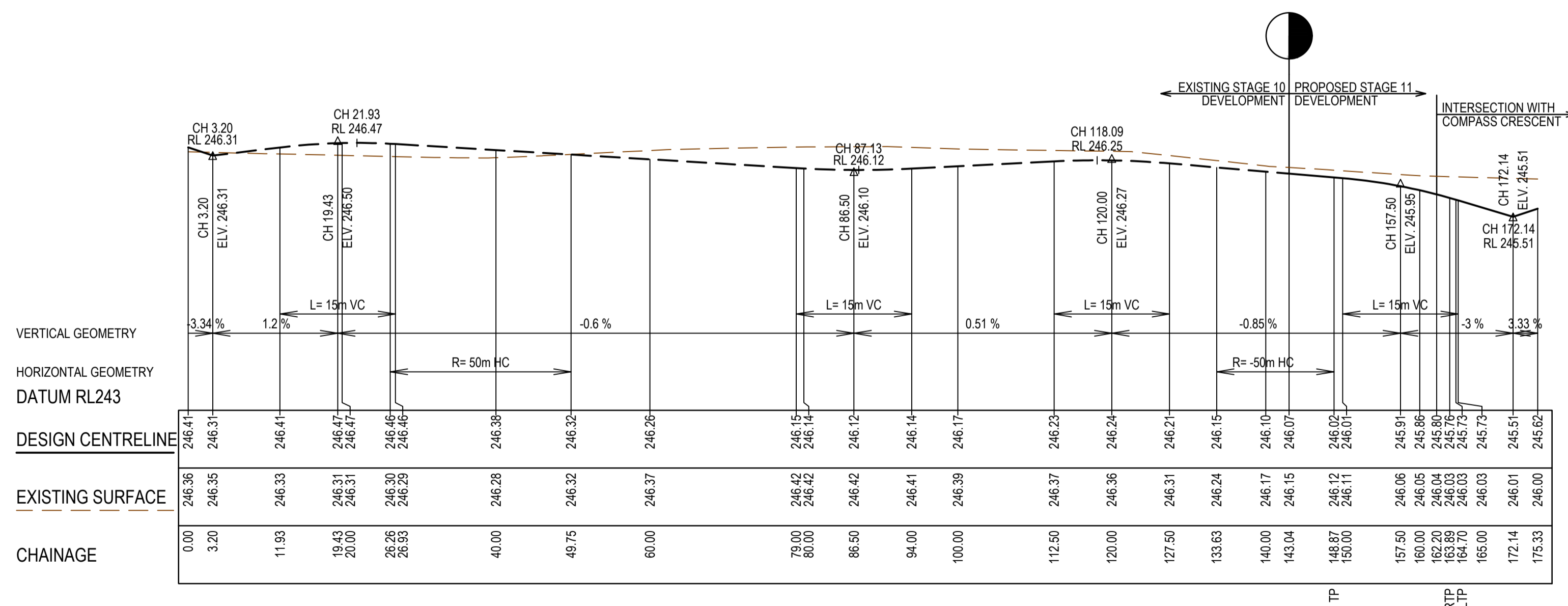
mirvac

Olivine Estate - Stage 11
 Whittlesea City Council
 Road and Drainage
 Longitudinal Sections - 1

MELWAYS REF: 8 M2
 PROJECT / DRAWING No: 1700E-11-07
 SHEET No: 07 of 20
 REVISION: 1



VICINITY ROAD LONGITUDINAL SECTION



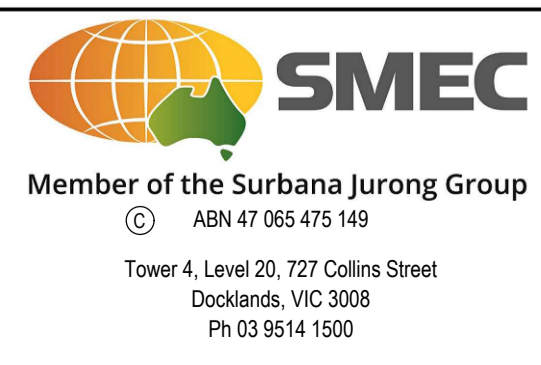
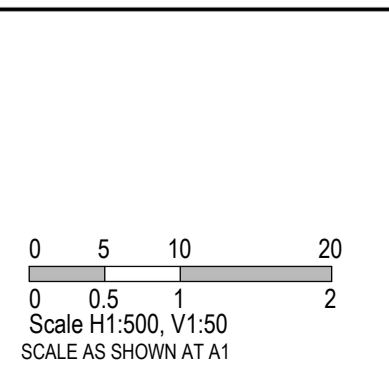
MEDIAN GRANGE LONGITUDINAL SECTION

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AS CONSTRUCTED

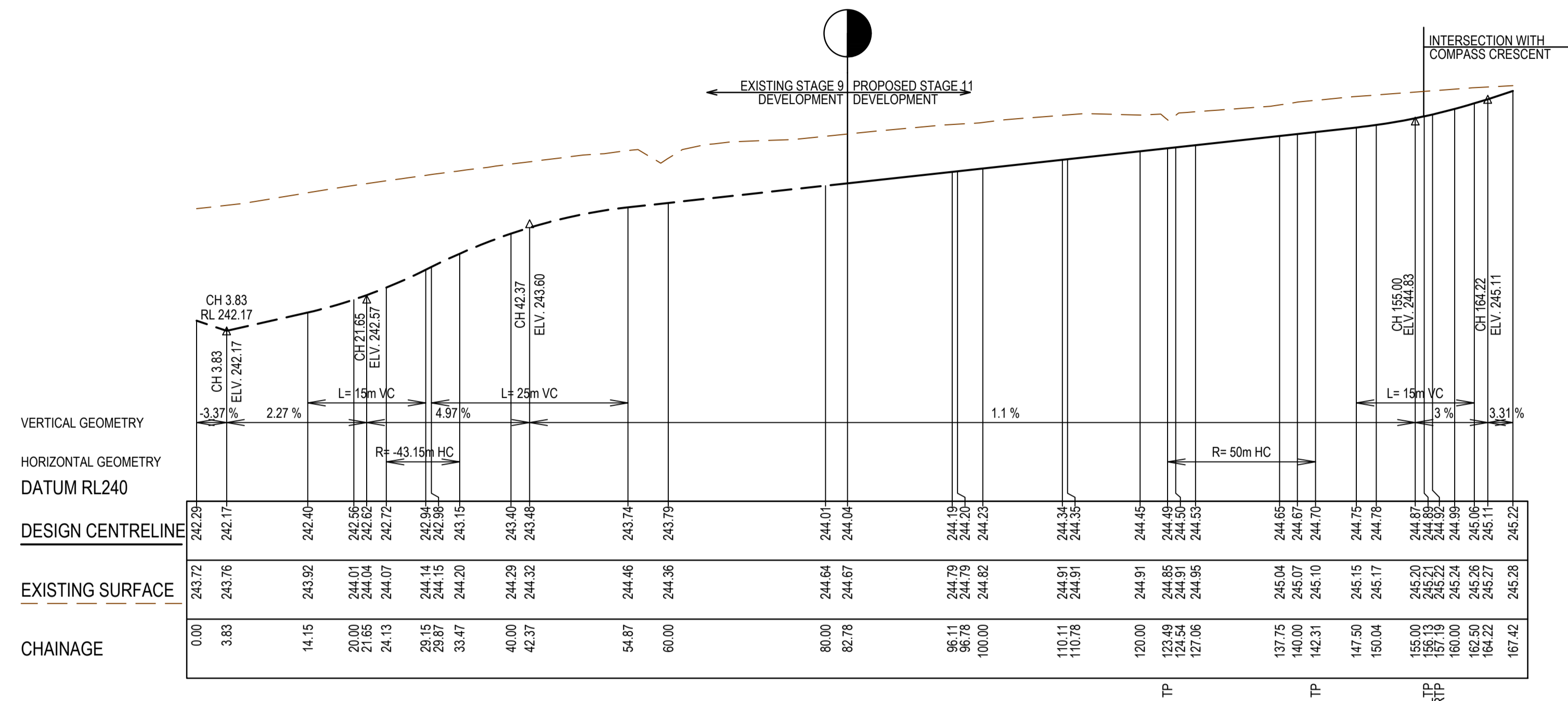


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DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	



Olivine Estate - Stage 11
 Whittlesea City Council
 Road and Drainage
 Longitudinal Sections - 2

MELWAYS REF	PROJECT / DRAWING No	SHEET No	REVISION
8 M2	1700E-11-08	08 of 20	1



SOCIETY VISTA LONGITUDINAL SECTION

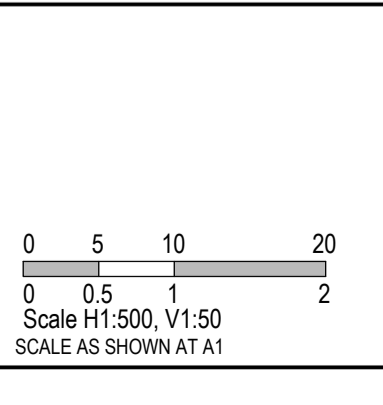
AS CONSTRUCTED PLANS
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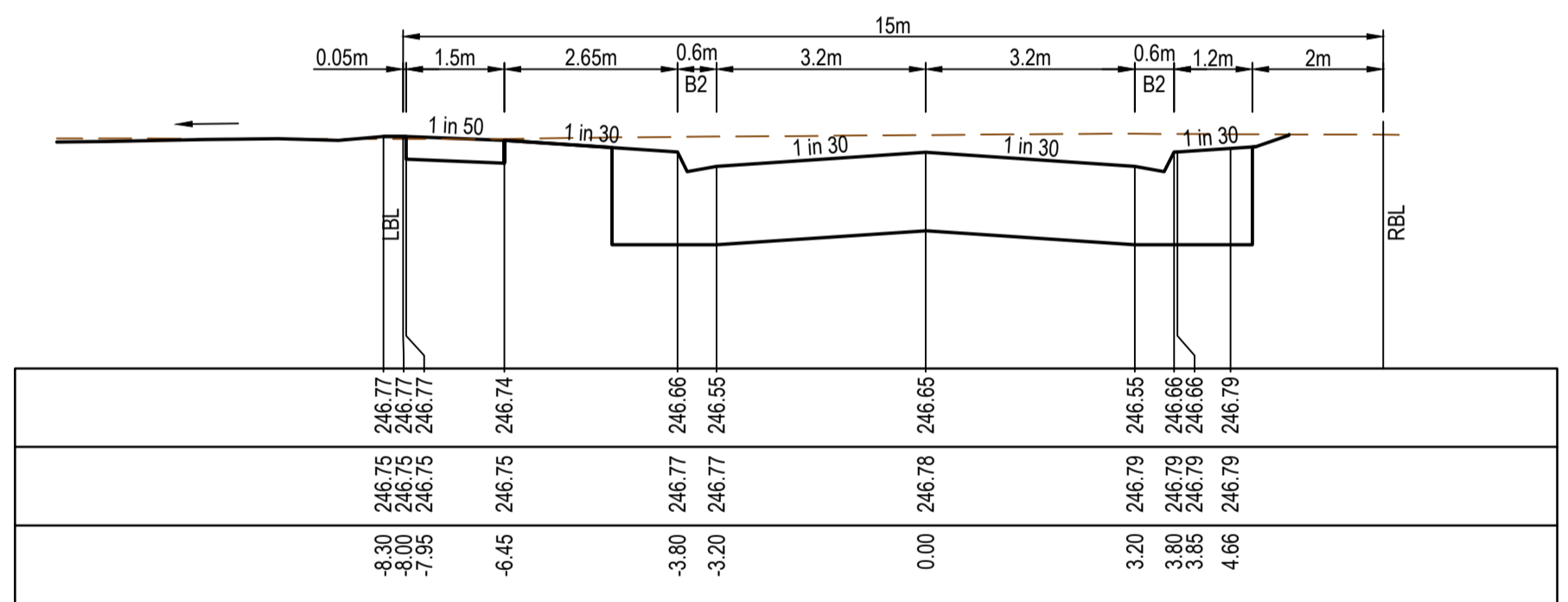
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Olivine Estate - Stage 11 Whittlesea City Council Road and Drainage Longitudinal Sections - 3		MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-09	SHEET No. 09 of 20	REVISION 1
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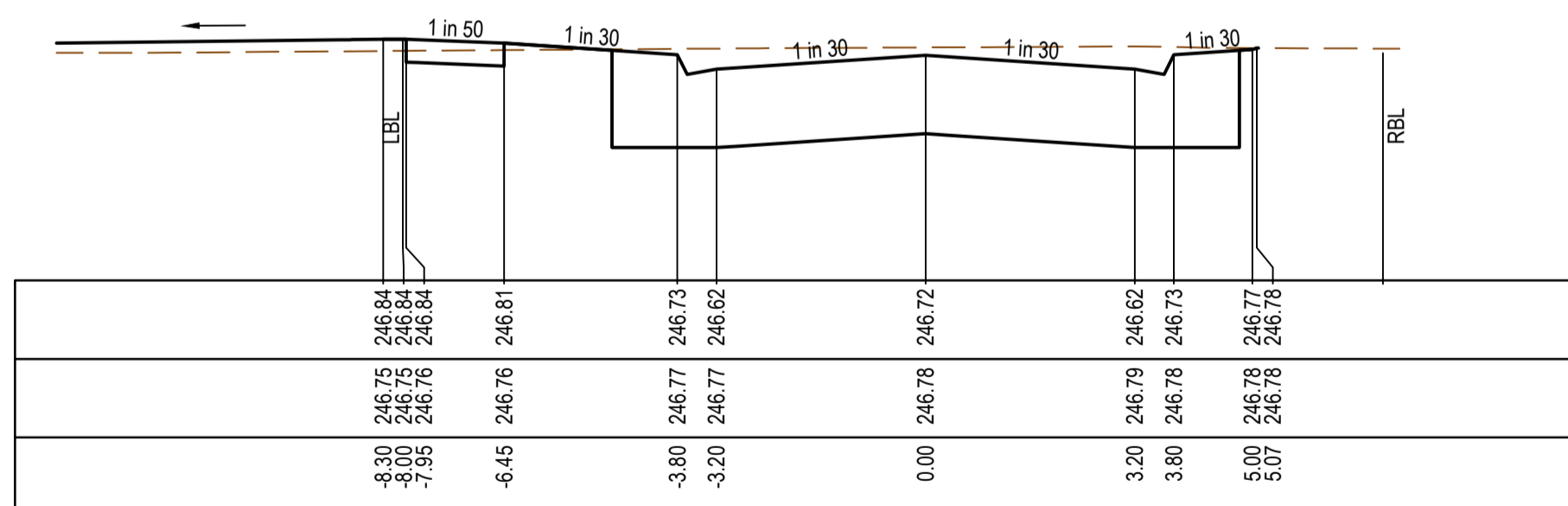
FILLING UNDER FOOTPATHS MUST BE TYPE A SELECTED MATERIAL IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION 204.

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EXISTING SURFACE
OFFSET



LTPCH 197.64

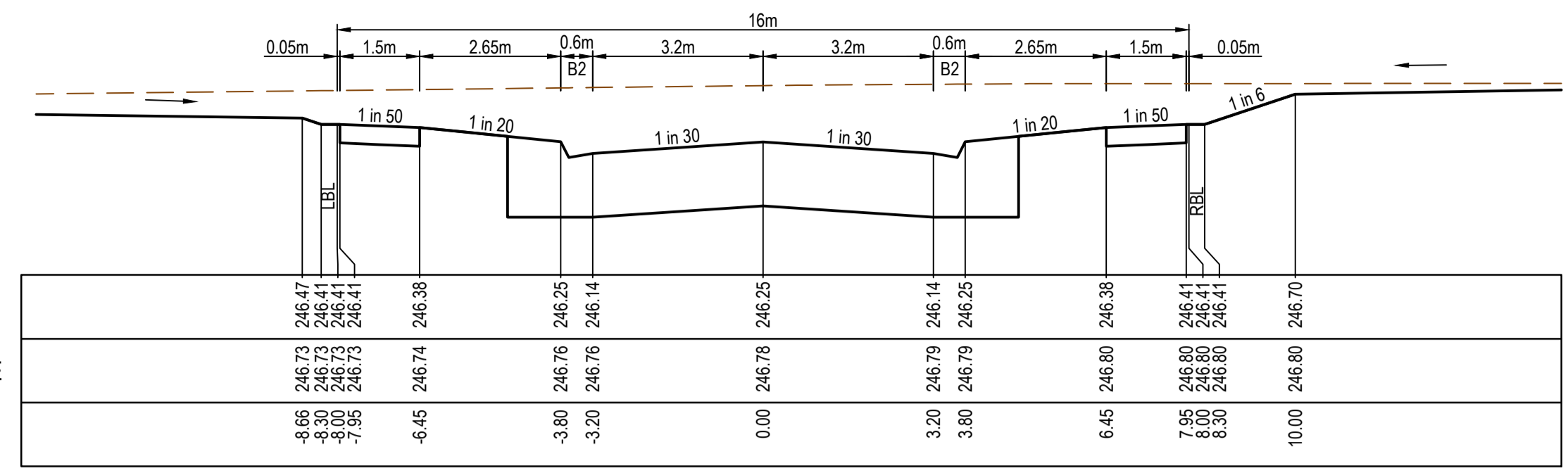
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CH 184.44

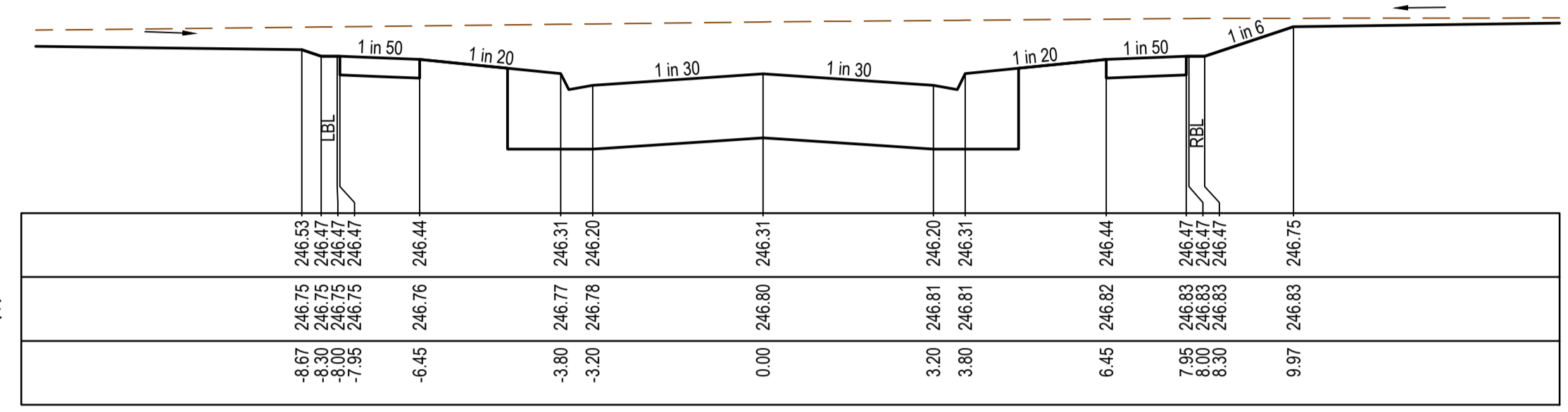
PRECINCT WAY

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EXISTING SURFACE
OFFSET



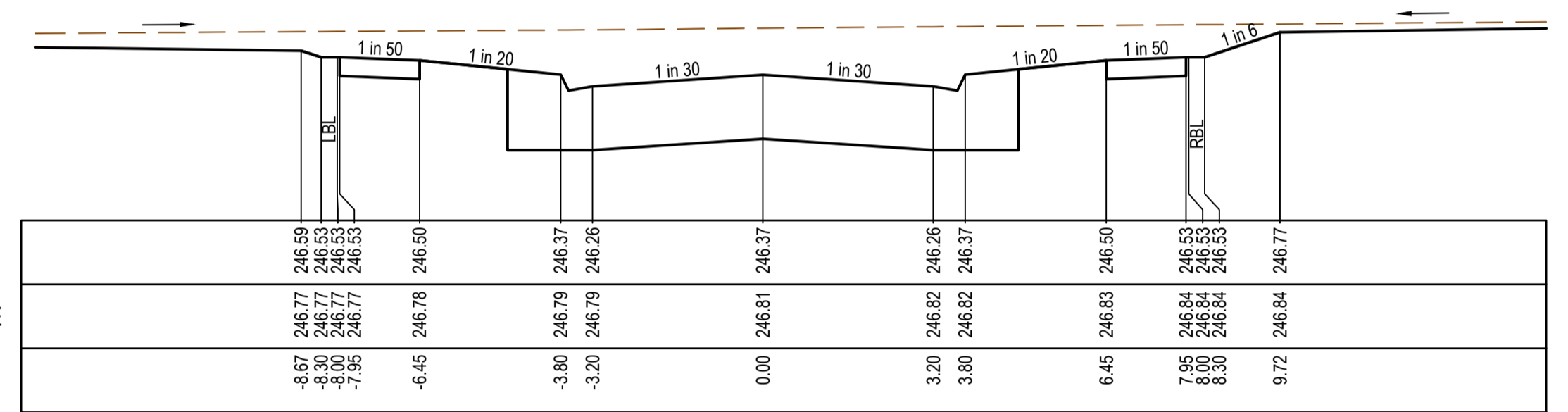
CH 262.25

DATUM245.0
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OFFSET



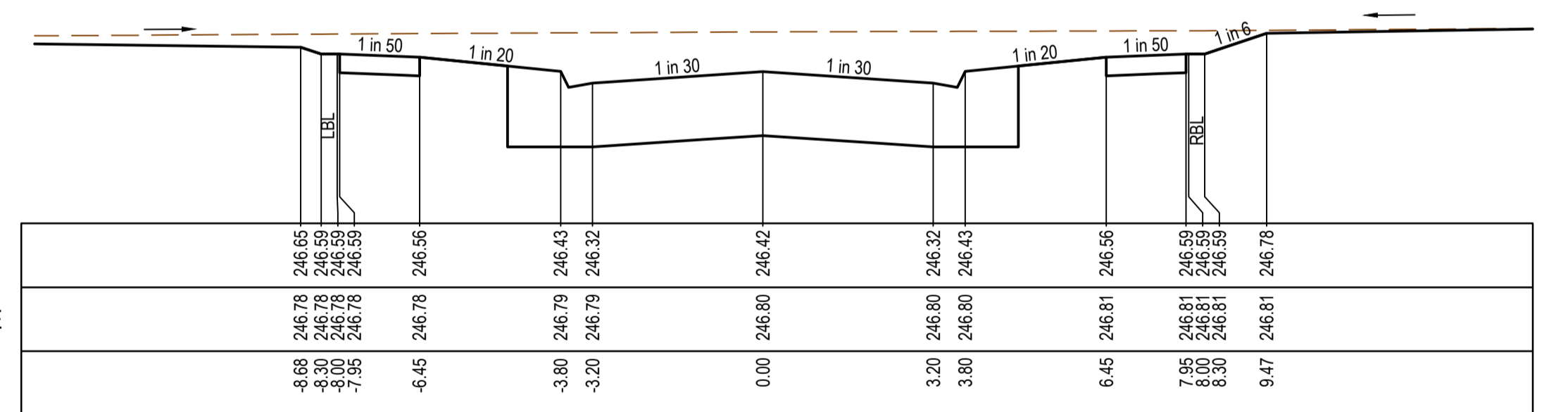
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OFFSET



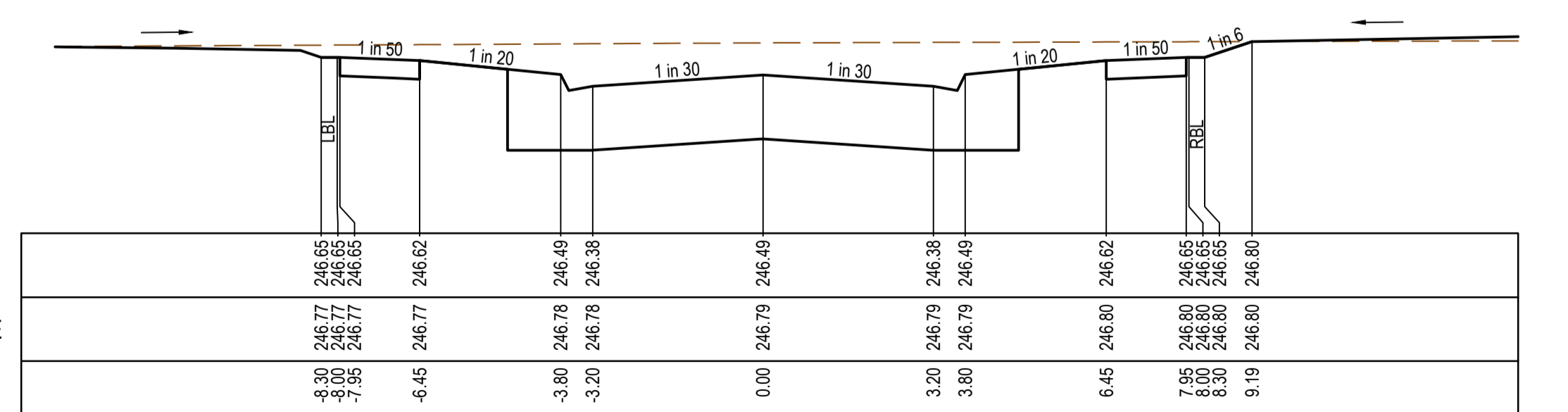
CH 240.25

DATUM245.0
DESIGN SURFACE
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OFFSET



CH 229.25

DATUM245.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



LTPCH 217.55

COMPASS CRESCENT

AS CONSTRUCTED PLANS
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<p>All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.</p> <p>Quality Management ISO 9001 Site Management AS/NZS 1800 Environmental Management ISO 14001</p> <p>Global-Mark.com.au®</p>	<table border="1"> <tr><th>TITLE</th><th>NAME</th></tr> <tr><td>DRAFTER</td><td>M.Angay</td></tr> <tr><td>DESIGNER</td><td>M.Angay</td></tr> <tr><td>CHECKED</td><td>K.Moore</td></tr> <tr><td>AUTHORISED</td><td>A.Burrows</td></tr> <tr><td>REFERENCE No. 1</td><td></td></tr> <tr><td>REFERENCE No. 2</td><td></td></tr> </table>	TITLE	NAME	DRAFTER	M.Angay	DESIGNER	M.Angay	CHECKED	K.Moore	AUTHORISED	A.Burrows	REFERENCE No. 1		REFERENCE No. 2	
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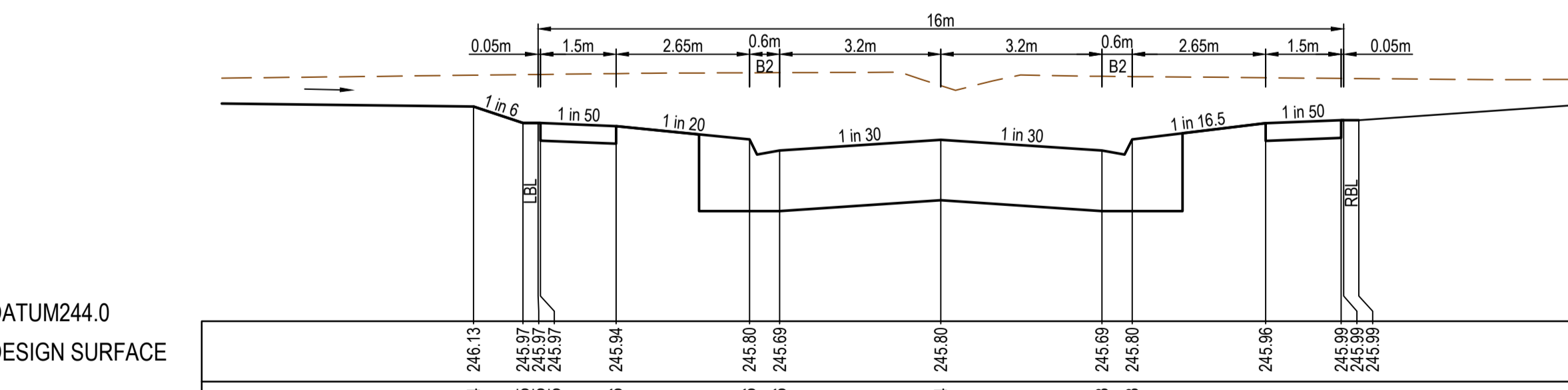
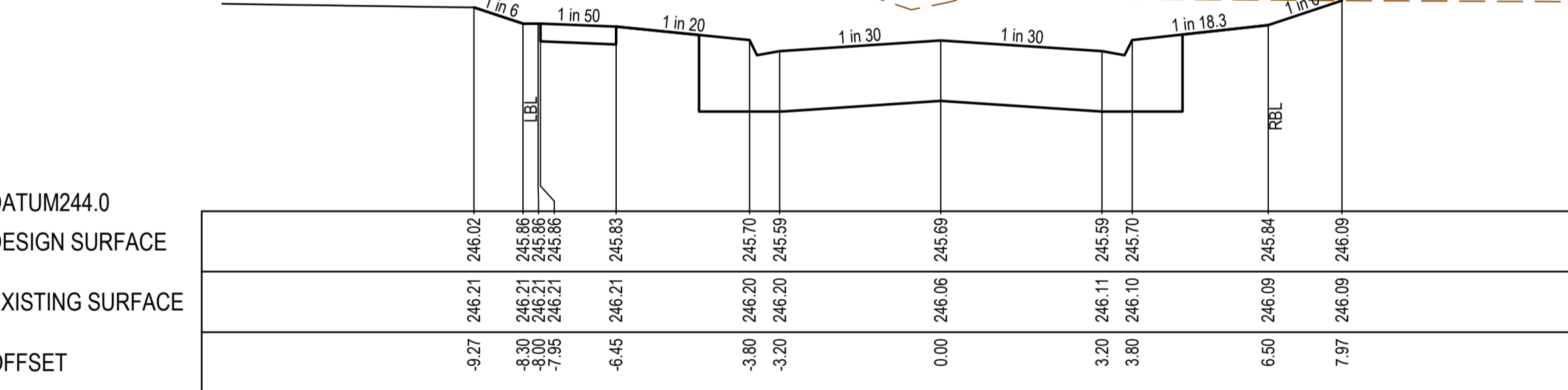
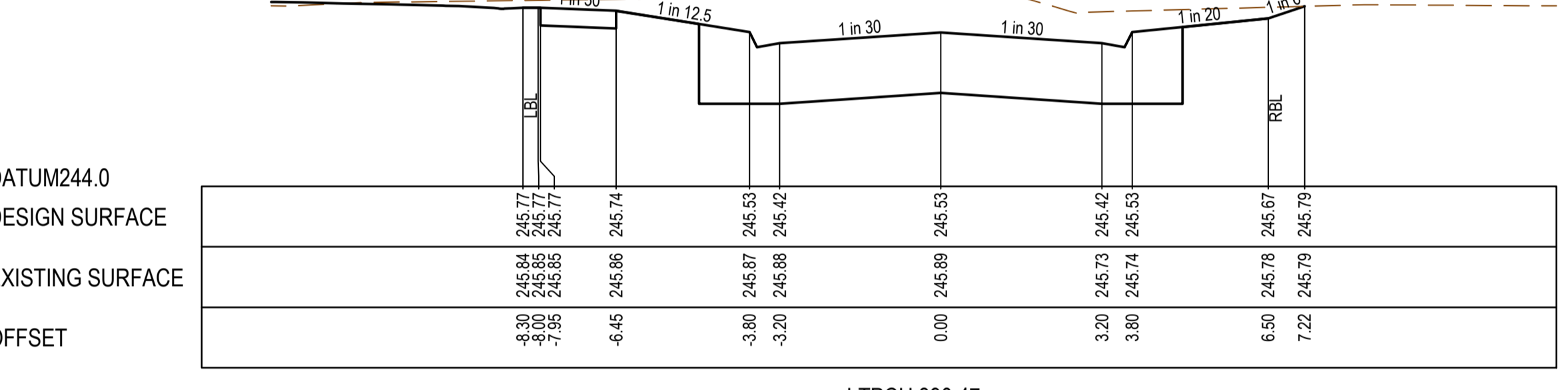
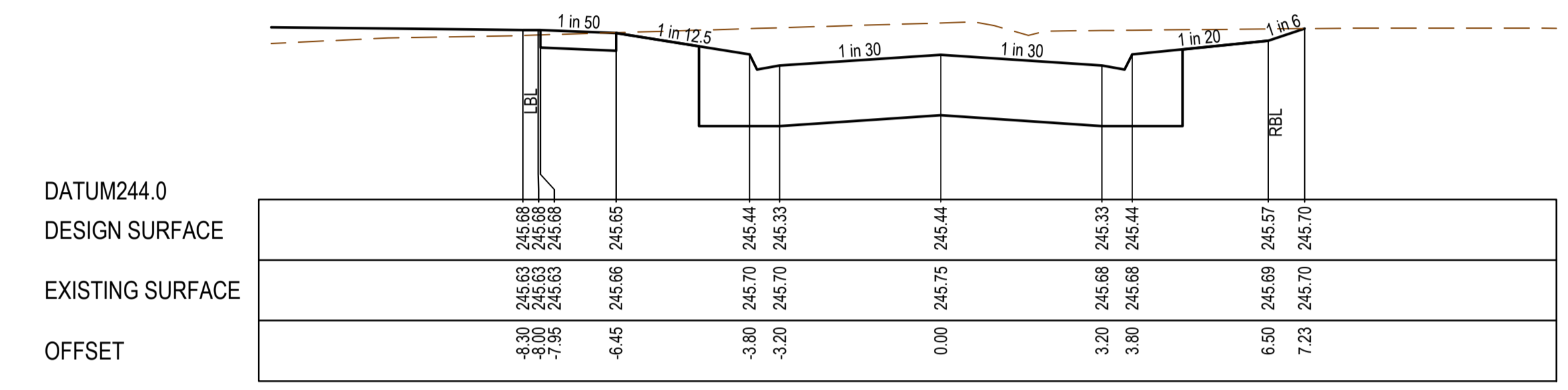
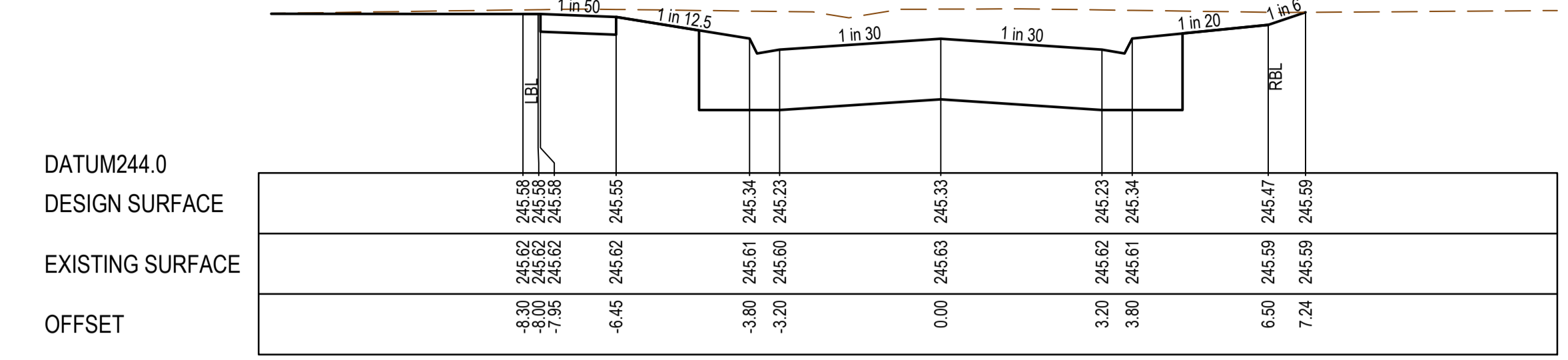
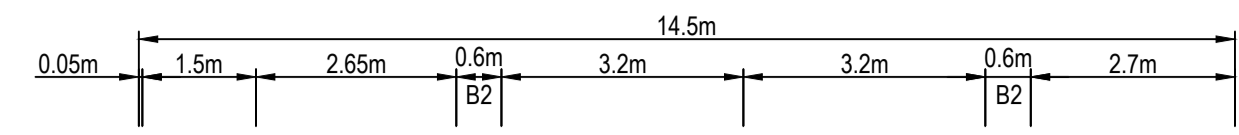
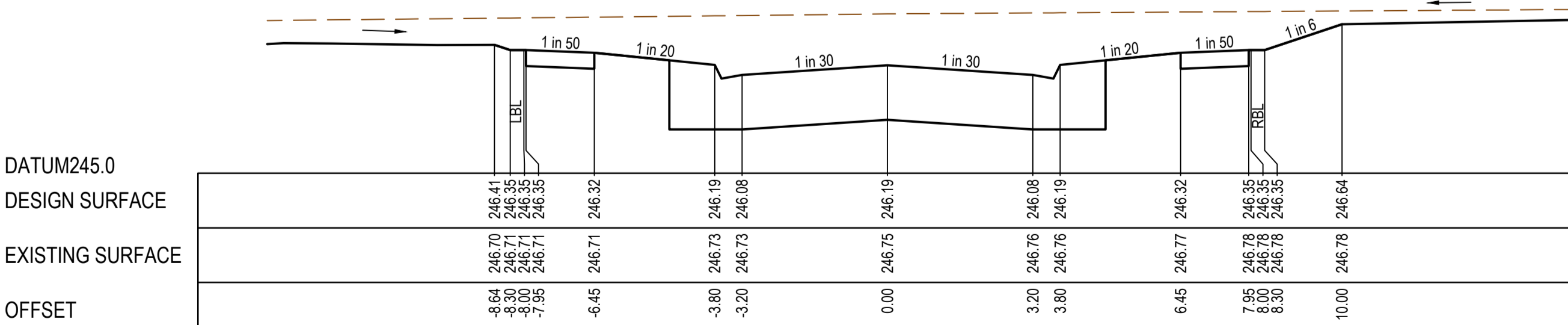
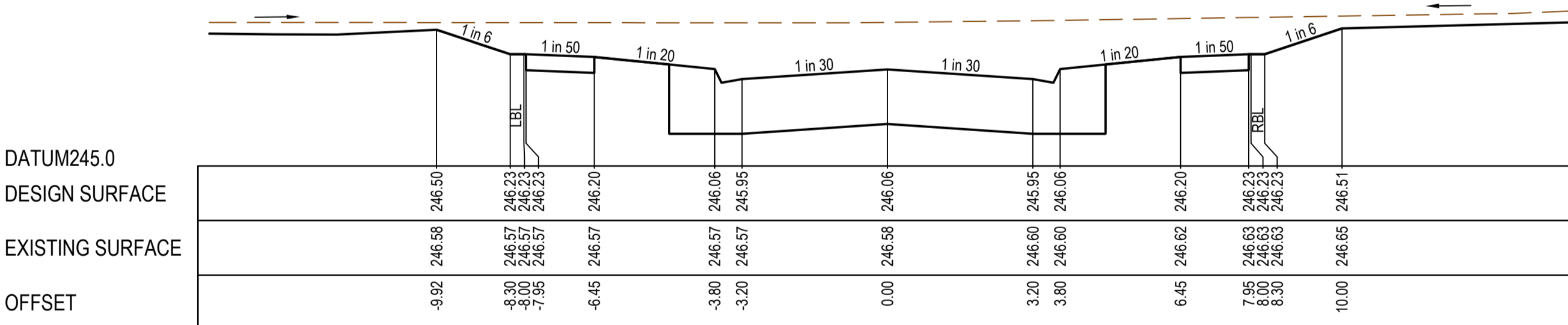
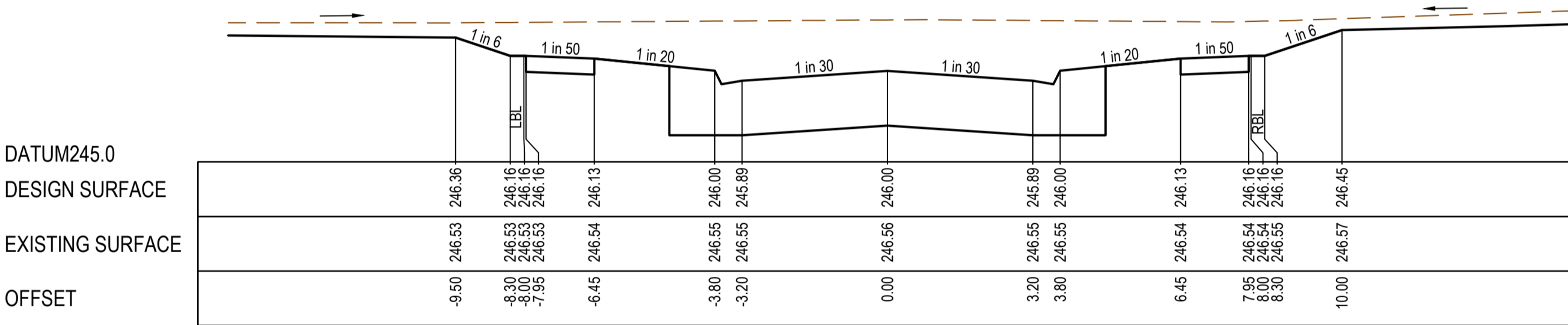
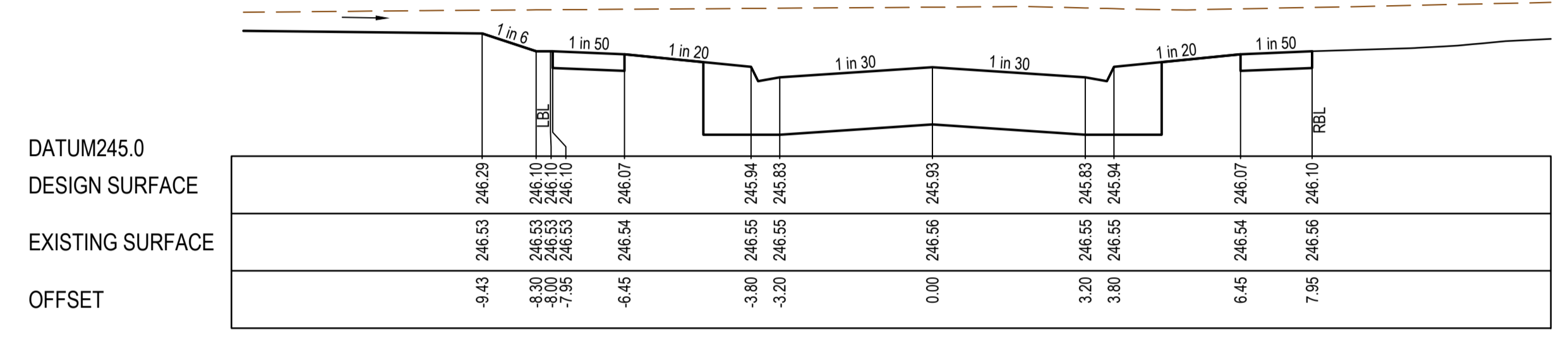
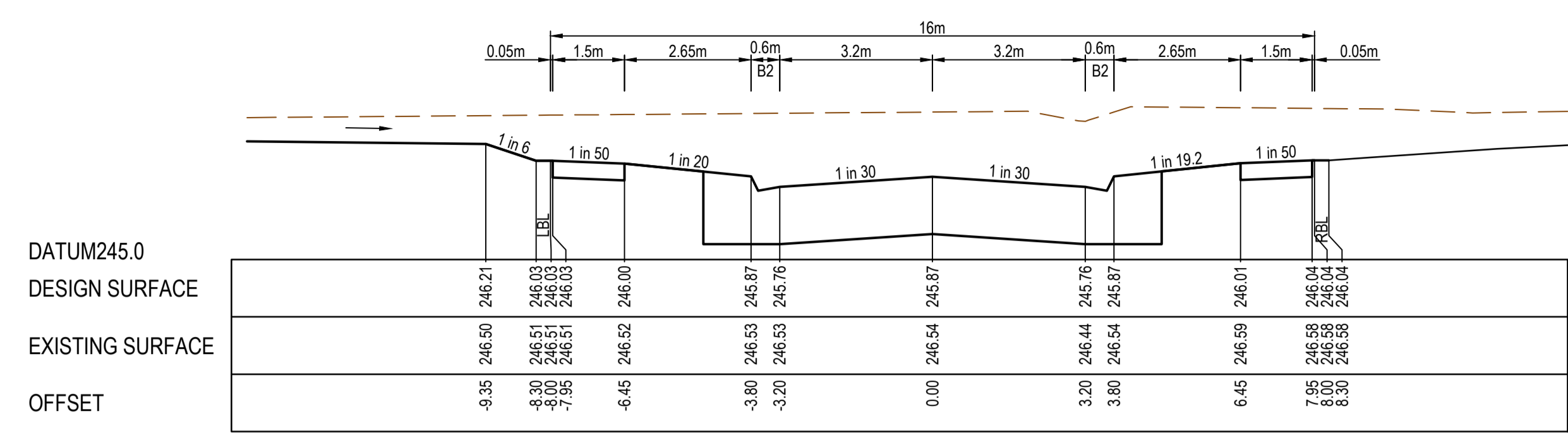
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Tower 4, Level 20, 727 Collins Street
Docklands, VIC 3008
Ph 03 9514 1500

mirvac

Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Cross Sections: Precinct Way Ch184.44-Ch197.64
Compass Crescent Ch217.55 - Ch262.25

MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-11	SHEET No. 11 of 20	REVISION 1
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FILLING UNDER FOOTPATHS MUST BE TYPE A SELECTED MATERIAL IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION 204.



AS CONSTRUCTED PLANS

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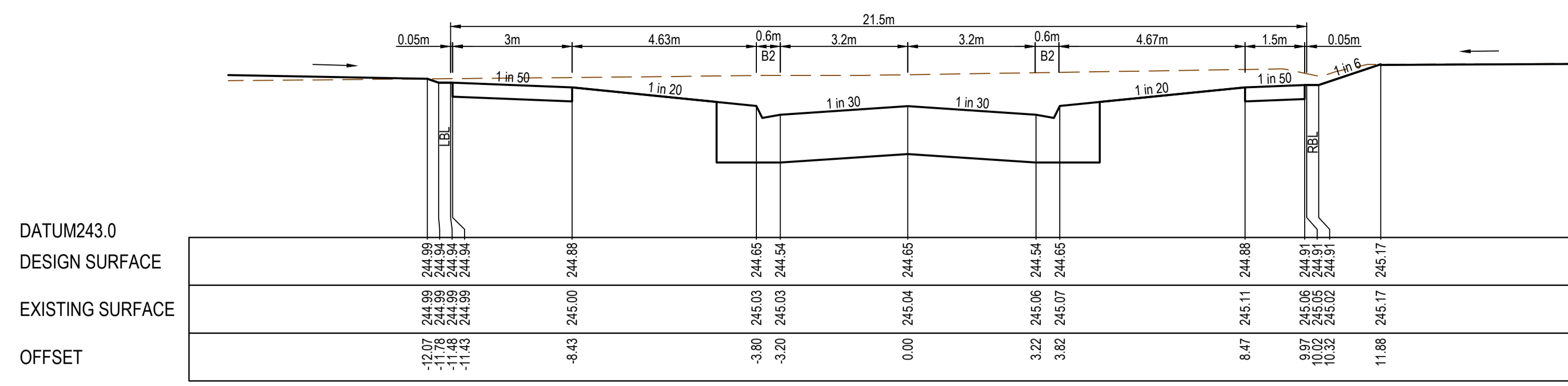
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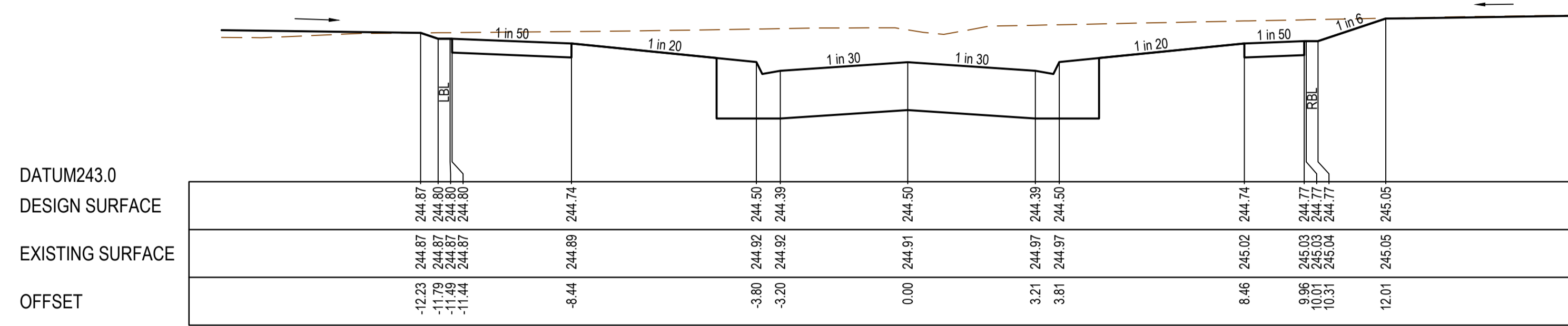
Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Cross Sections: Compass Crescent
Ch273.95 - Ch410.92

MELWAYS REF	PROJECT / DRAWING No	SHEET No	REVISION
8 M2	1700E-11-12	12 of 20	1

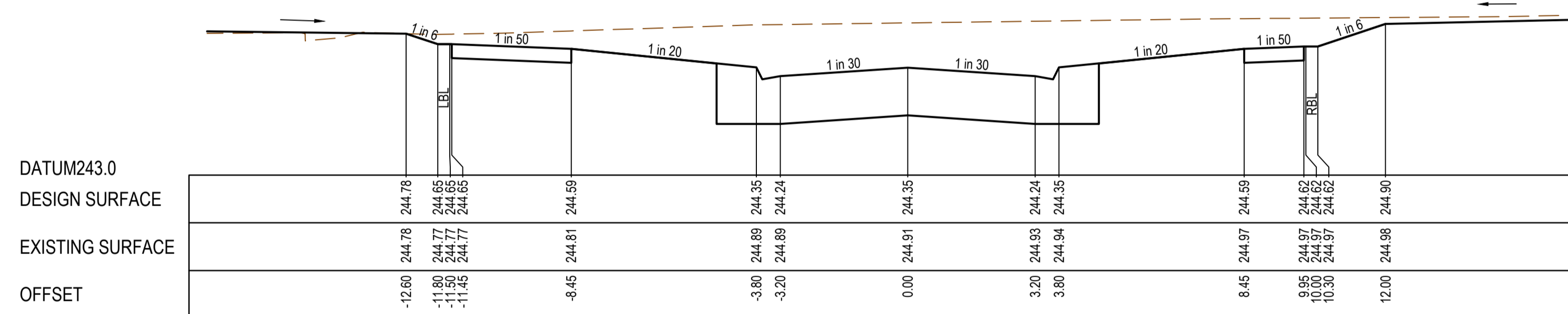
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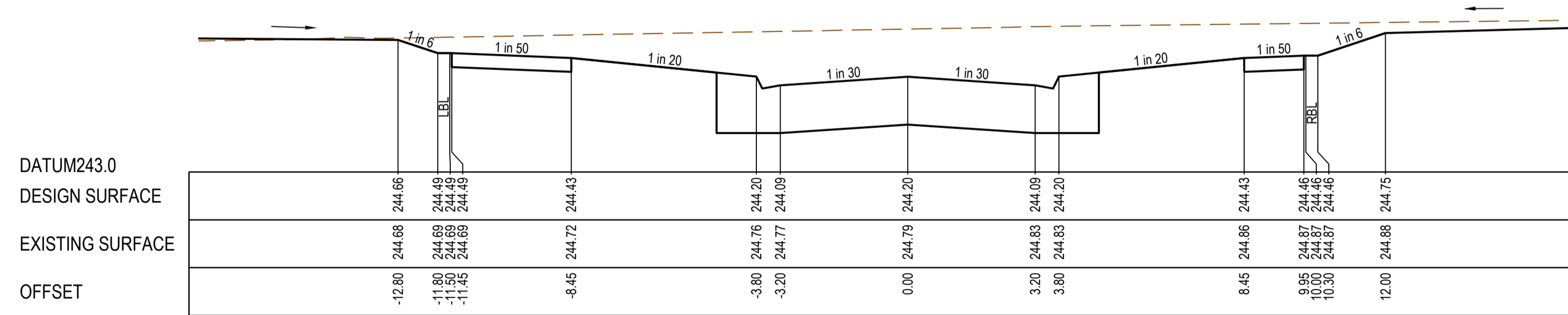
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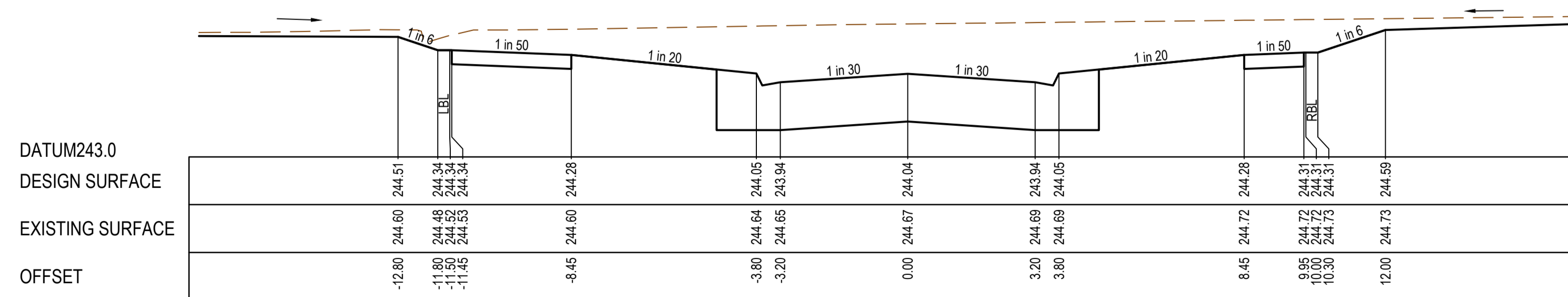
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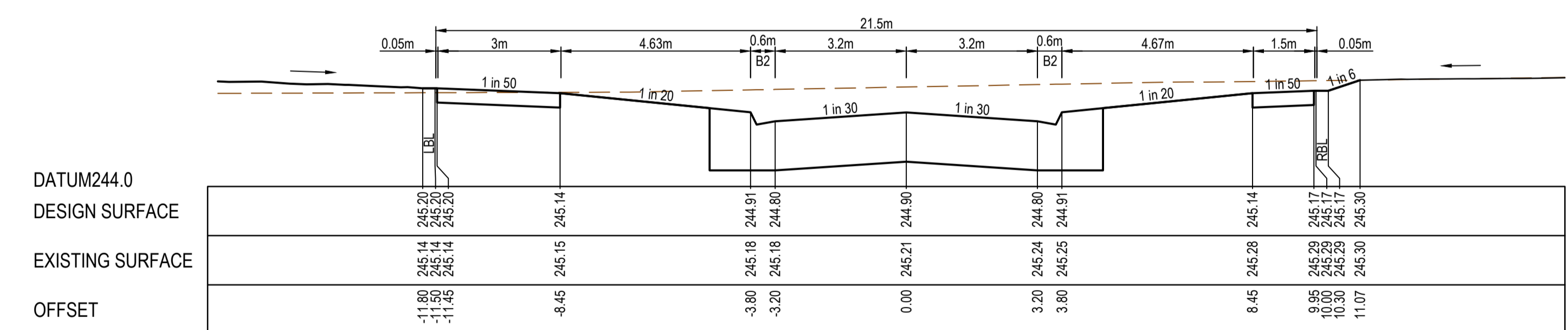
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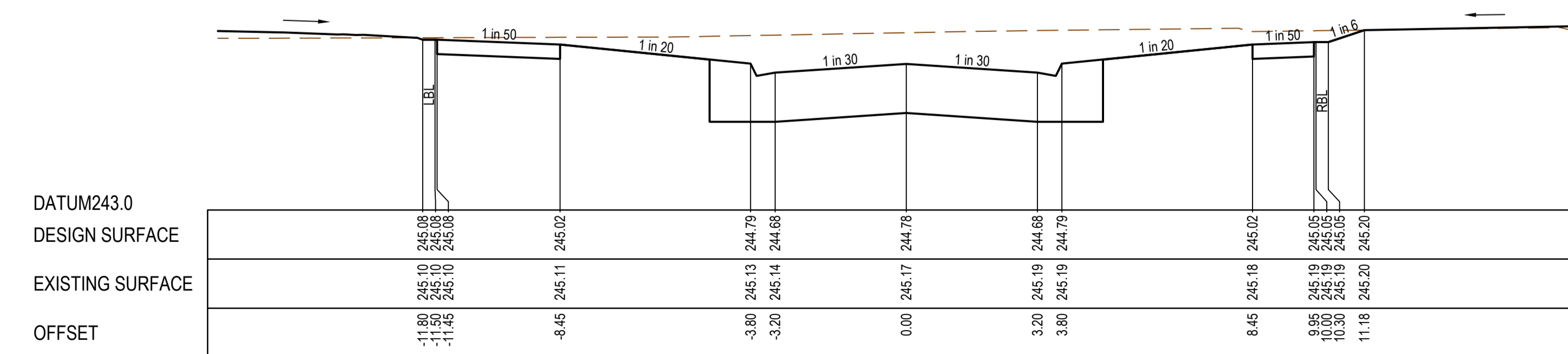
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CH 82.78



CH 156.53



CH 150.04

AS CONSTRUCTED PLANS

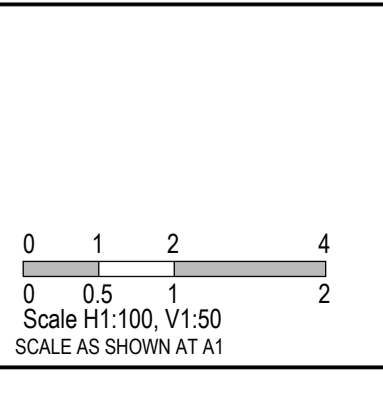
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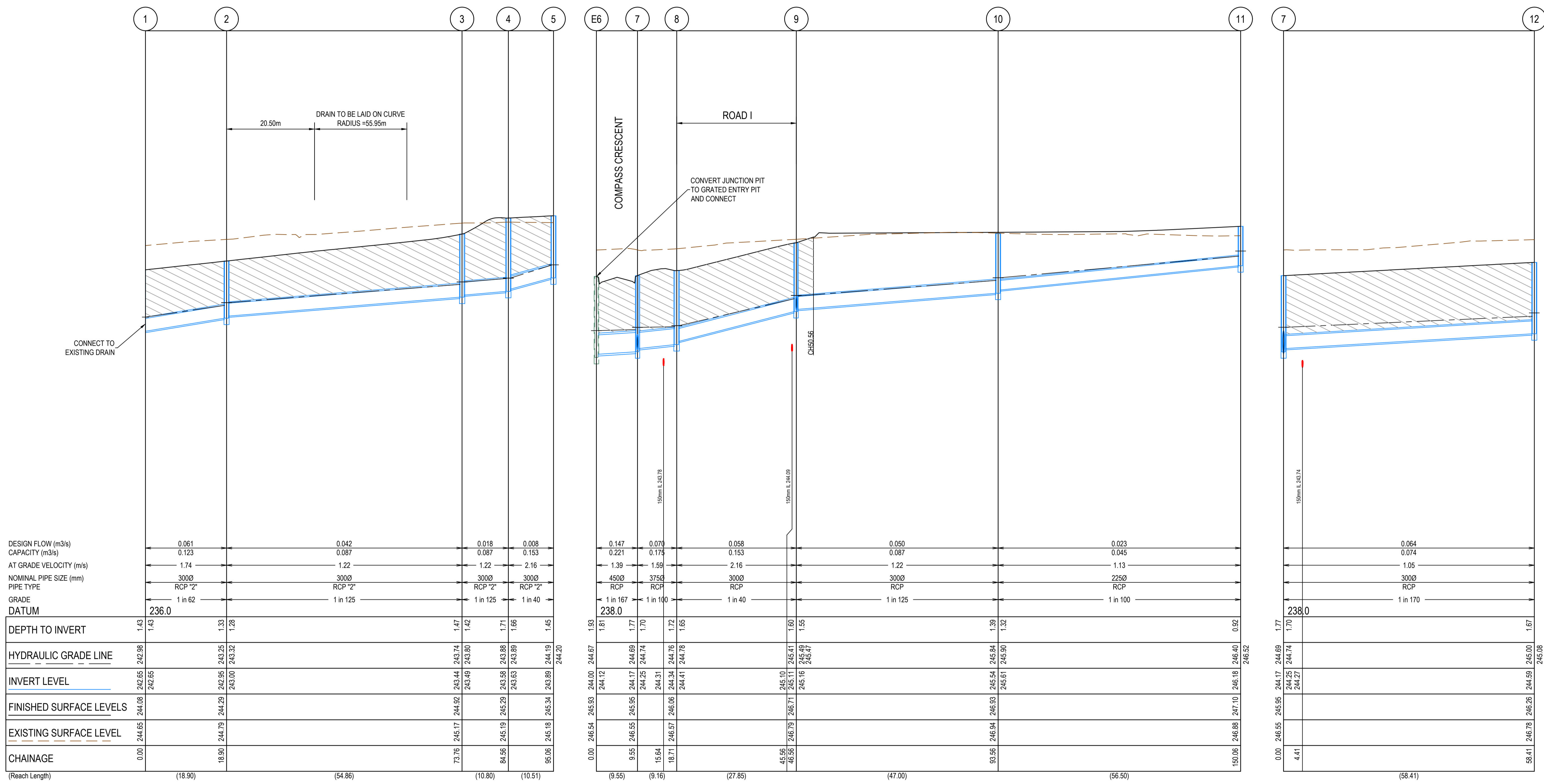
mirvac

Olivine Estate - Stage 11
 Whittlesea City Council
 Road and Drainage
 Cross Sections: Society Vista

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
8 M2	1700E-11-15	15 of 20	1

NOTE

- ALL DRAINS TO BE BACKFILLED IN ACCORDANCE WITH CLAUSE 35.1.7 OF COUNCIL'S SPECIFICATION.
- WHERE DRAINS ARE UNDER ANY PAVED AREA OR BEHIND THE KERB AND CHANNEL THE DRAINS IS TO BE BACKFILLED AS FOLLOWS
 - 30mm NOM. SIZE CLASS 3 FCR TO 100mm ABOVE THE TOP OF PIPE.
 - LOW PERMEABILITY CLASS 4 FCR FROM 100mm ABOVE THE TOP OF PIPE TO UNDERSIDE OF PAVEMENT



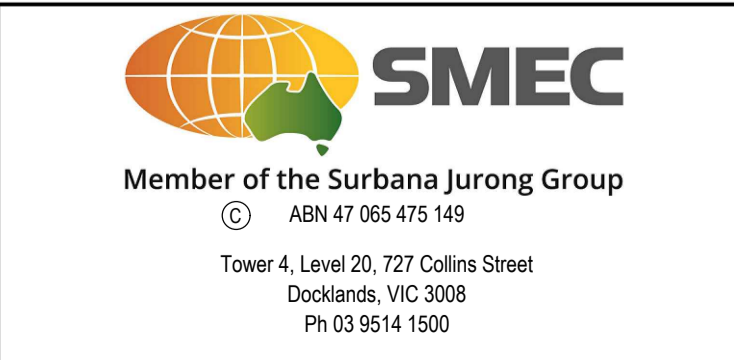
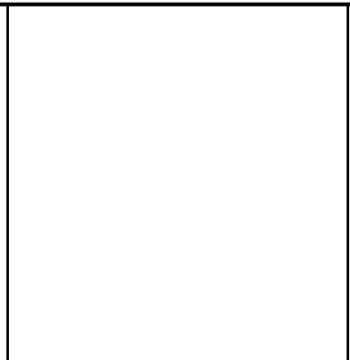
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DRAFTER	M.Angay
DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	

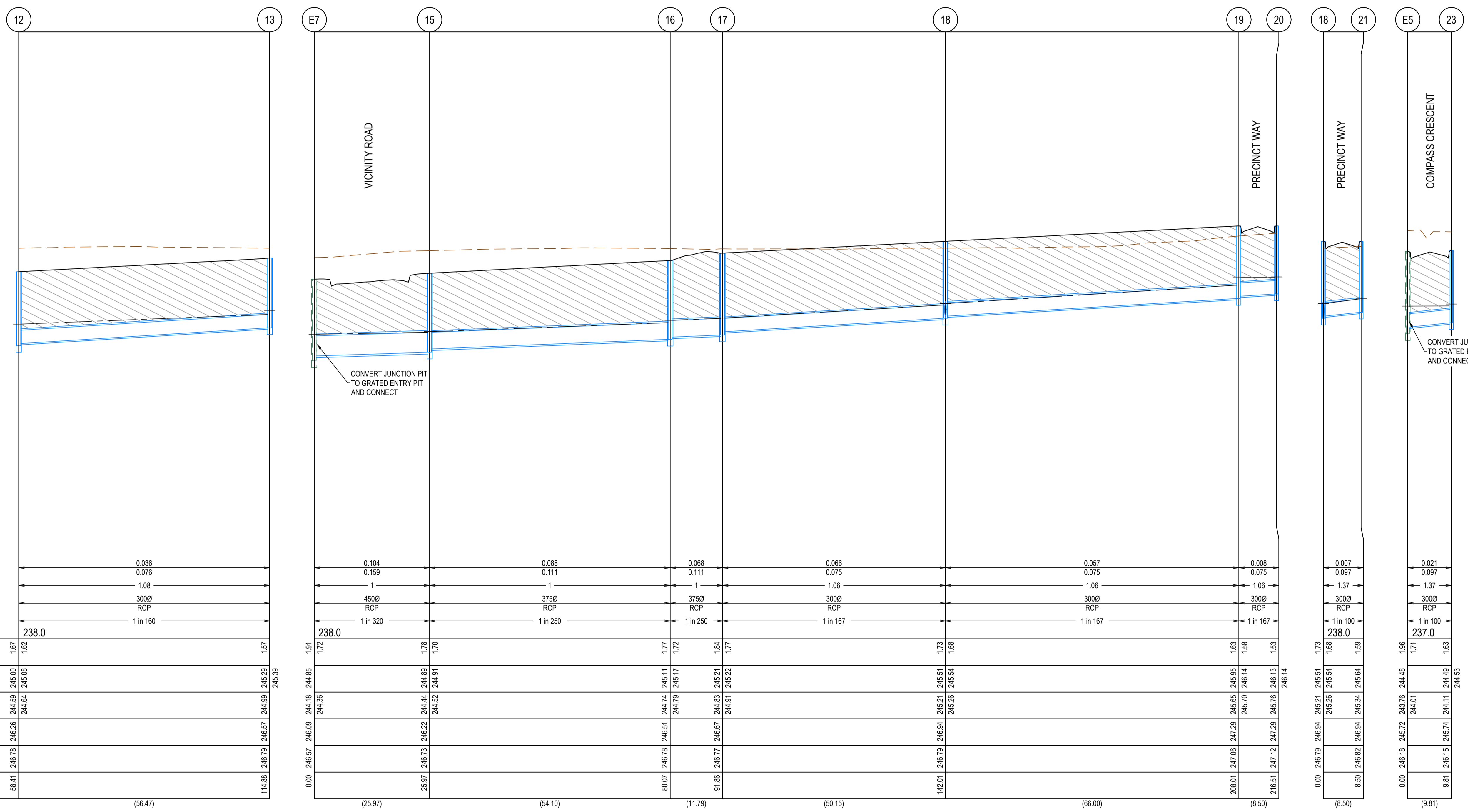


Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Drainage Longitudinal Sections - 1

MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-16	SHEET No. 16 of 20	REVISION 1
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NOTE

- ALL DRAINS TO BE BACKFILLED IN ACCORDANCE WITH CLAUSE 35.1.7 OF COUNCIL'S SPECIFICATION.
- WHERE DRAINS ARE UNDER ANY PAVED AREA OR BEHIND THE KERB AND CHANNEL THE DRAINS IS TO BE BACKFILLED AS FOLLOWS
 - 30mm NOM. SIZE CLASS 3 FCR TO 100mm ABOVE THE TOP OF PIPE.
 - LOW PERMEABILITY CLASS 4 FOR FROM 100mm ABOVE THE TOP OF PIPE TO UNDERSIDE OF PAVEMENT



DESIGN FLOW (m ³ /s)	0.036
CAPACITY (m ³ /s)	0.076
AT GRADE VELOCITY (m/s)	1.08
NOMINAL PIPE SIZE (mm)	3000
PIPE TYPE	RCP
GRADE	1 in 160
DATUM	238.0
DEPTH TO INVERT	1.67 1.62
HYDRAULIC GRADE LINE	244.59 245.00 244.64 245.08
INVERT LEVEL	244.99 244.99 244.99 245.29
FINISHED SURFACE LEVELS	246.26 246.57
EXISTING SURFACE LEVEL	246.78 246.79
CHAINAGE	58.41 114.88
(Reach Length)	(56.47)

0.104	0.088	0.068	0.066	0.057	0.008
0.159	0.111	0.111	0.075	0.075	0.075
1	1	1	1.06	1.06	1.06
4500	3750	3750	3000	3000	3000
RCP	RCP	RCP	RCP	RCP	RCP
1 in 320	1 in 250	1 in 250	1 in 167	1 in 167	1 in 167
238.0	238.0	238.0	238.0	238.0	238.0
1.91	1.72	1.77	1.73	1.63	1.53
244.85	244.89	244.83	245.51	245.95	246.13
244.36	244.52	244.79	245.17	245.14	246.14
246.09	246.22	246.44	246.94	247.29	247.29
246.57	246.73	246.78	246.94	247.06	247.12
244.18	244.44	244.74	245.11	245.65	246.14
244.36	244.52	244.79	245.17	245.70	246.14
246.09	246.22	246.44	246.94	247.29	247.29
246.57	246.73	246.78	246.94	247.06	247.12
58.41	25.97	80.07	91.86	142.01	208.01
(Reach Length)	(56.47)	(54.10)	(11.79)	(50.15)	(66.00)

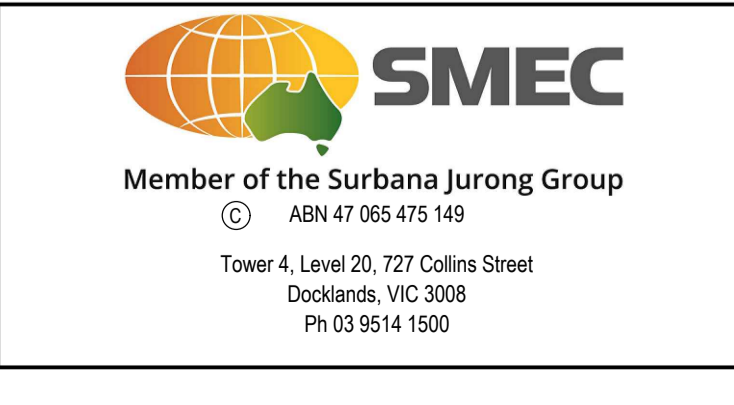
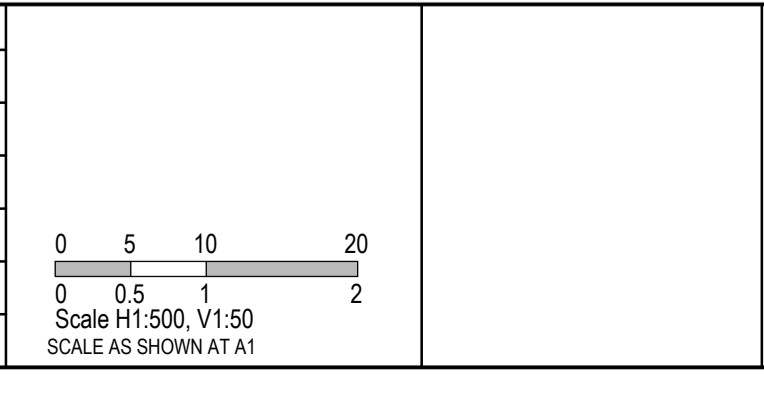
0.007	0.021
0.097	0.097
1.37	1.37
3000	3000
RCP	RCP
1 in 100	1 in 100
238.0	237.0
1.73	1.96
245.51	244.48
245.26	244.07
245.54	245.76
245.54	245.76
245.64	246.14
245.64	246.14
246.94	247.29
246.82	247.29
246.15	246.13
246.15	246.13
8.50	9.81
(8.50)	(9.81)

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

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TITLE	NAME
DRAFTER	M.Angay
DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	



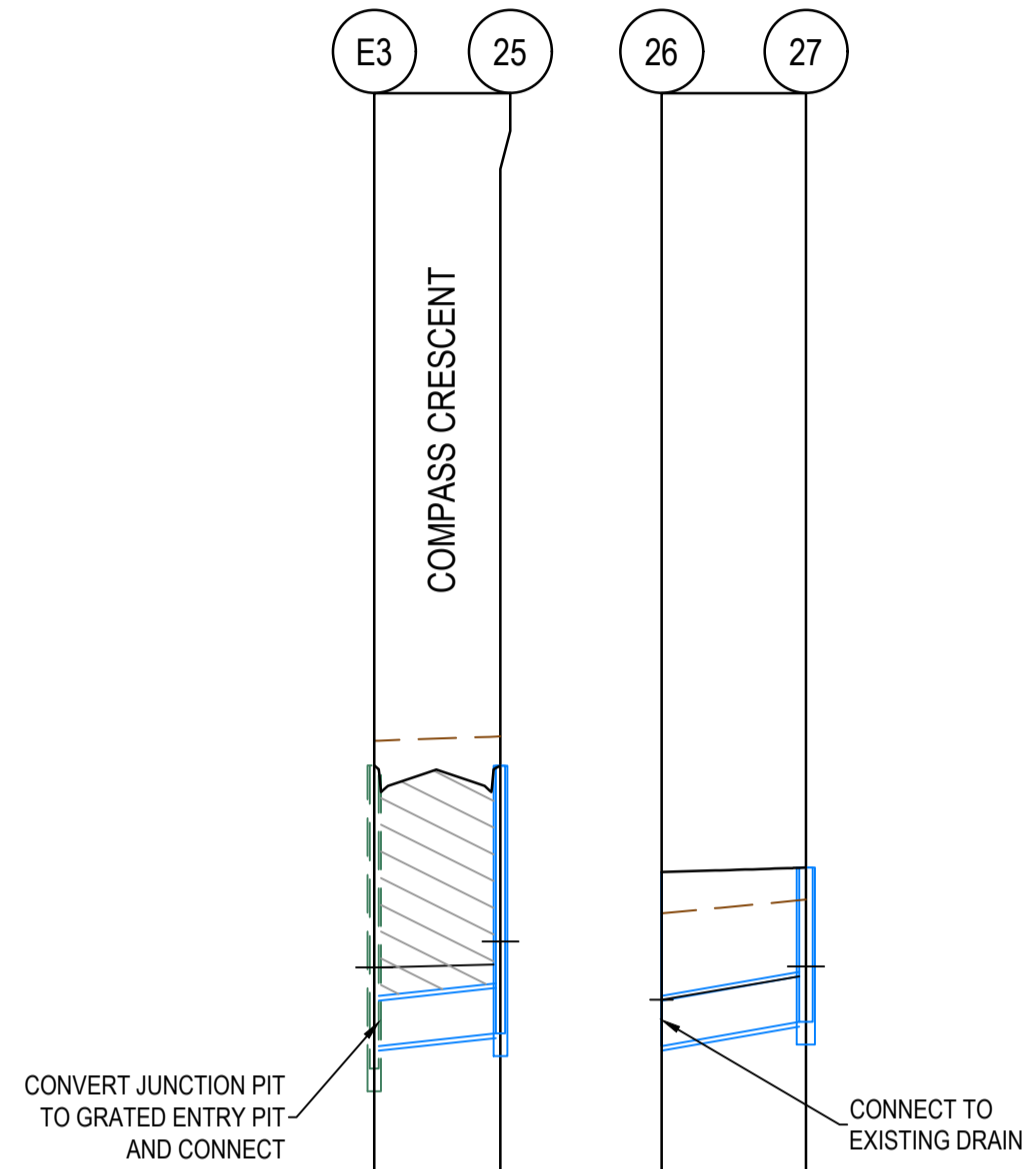
Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
Drainage Longitudinal Sections - 2

MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-17	SHEET No. 17 of 20	REVISION 1
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NOTE

- ALL DRAINS TO BE BACKFILLED IN ACCORDANCE WITH CLAUSE 35.1.7 OF COUNCIL'S SPECIFICATION.
- WHERE DRAINS ARE UNDER ANY PAVED AREA OR BEHIND THE KERB AND CHANNEL THE DRAINS IS TO BE BACKFILLED AS FOLLOWS
 - 30mm NOM. SIZE CLASS 3 FCR TO 100mm ABOVE THE TOP OF PIPE.
 - LOW PERMEABILITY CLASS 4 FCR FROM 100mm ABOVE THE TOP OF PIPE TO UNDERSIDE OF PAVEMENT

PIT NUMBER	TYPE	PIT SCHEDULE						F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		INTERNAL		INLET		OUTLET					
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
NAME	PIT	INTERNAL	LENGTH	INLET	INV R.L.	OUTLET	INV R.L.	PIT	DEPTH	STD DWG	REMARKS
		WD	LEN	DIA	LEV	DIA	LEV	SETOUT RL			
1	ENDPIPE			300	242.65			244.08			CONNECT TO EXISTING PIPE
2	GRATED ENTRY PIT	600	900	300	243.01	300	242.96	244.29	1.33	EDCM 601 & 605	
3	GRATED ENTRY PIT	600	900	300	243.49	300	243.44	244.92	1.47	EDCM 601 & 605	
4	GRATED ENTRY PIT	600	900	300	243.63	300	243.58	245.29	1.71	EDCM 601 & 605	
5	GRATED ENTRY PIT	600	900			300	243.89	245.34	1.45	EDCM 601 & 605	
E6	EX JUNCTION PIT	750	900	450	244.12			245.93		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
7	GRATED ENTRY PIT	600	900	375	244.25	450	244.17	245.95	1.77	EDCM 601 & 605	
				300	244.25						
8	GRATED PIT	600	900	300	244.41	375	244.34	246.06	1.73	EDCM 605	REFER TO GRATED JUNCTION PIT LID, REFER DETAIL
9	GRATED PIT	600	900	300	245.16	300	245.11	246.71	1.6	EDCM 605	REFER TO GRATED JUNCTION PIT LID, REFER DETAIL
				300	245.16						
10	JUNCTION PIT	600	900	225	245.61	300	245.54	246.93	1.39	EDCM 605	
11	JUNCTION PIT	600	900			225	246.18	247.1	0.92	EDCM 605	
12	GRATED ENTRY PIT	600	900	300	244.64	300	244.59	246.26	1.67	EDCM 601 & 605	
13	JUNCTION PIT	600	900			300	244.99	246.57	1.57	EDCM 605	
E7	EX JUNCTION PIT	750	900	450	244.36			246.09		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
15	GRATED ENTRY PIT	600	900	375	244.52	450	244.44	246.22	1.78	EDCM 601 & 605	
16	GRATED ENTRY PIT	600	900	375	244.79	375	244.74	246.51	1.77	EDCM 601 & 605	
17	GRATED ENTRY PIT	600	900	300	244.91	375	244.83	246.67	1.84	EDCM 601 & 605	
18	GRATED ENTRY PIT	600	900	300	245.26	300	245.21	246.94	1.73	EDCM 601 & 605	
				300	245.26						
19	GRATED ENTRY PIT	600	900	300	245.71	300	245.65	247.29	1.63	EDCM 601 & 605	
20	GRATED ENTRY PIT	600	900			300	245.76	247.29	1.53	EDCM 601 & 605	
21	GRATED ENTRY PIT	600	900			300	245.34	246.94	1.59	EDCM 601 & 605	
E5	EX JUNCTION PIT	750	900	300	244.01			245.72	0	EDCM 602	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
23	GRATED ENTRY PIT	600	900			300	244.11	245.74	1.63	EDCM 601 & 605	
E3	EX JUNCTION PIT	600	900	300	243.35			245.2		EDCM 602	CONVERT EX. JUNCTION PIT TO DOUBLE GRATED ENTRY PIT
25	DOUBLE GRATED ENTRY PIT	600	900			300	243.43	245.2	1.77	EDCM 602 & 605	
26	ENDPIPE			300	246.35			247.5			CONNECT TO EXISTING PIPE
27	JUNCTION PIT	600	900			300	246.51	247.53	1.02	EDCM 605	
E1	EX JUNCTION PIT	900	900					244.58		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
E2	EX JUNCTION PIT	1050	900					244.93		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
E4	EX JUNCTION PIT	750	900					245.56		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
E8	EX JUNCTION PIT	600	900					246.15		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
E9	EX JUNCTION PIT	600	900					246.15		EDCM 602	CONVERT EX. JUNCTION PIT TO DOUBLE GRATED ENTRY PIT
E10	EX JUNCTION PIT	600	900					246.31		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
E21	EX JUNCTION PIT	600	900					245.77		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
E22	EX JUNCTION PIT	600	900					245.8		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT
E23	EX JUNCTION PIT	600	900					246.06		EDCM 601	CONVERT EX. JUNCTION PIT TO GRATED ENTRY PIT



DESIGN FLOW (m3/s)	0.046	0.031
CAPACITY (m3/s)	0.097	0.125
AT GRADE VELOCITY (m/s)	1.37	1.77
NOMINAL PIPE SIZE (mm)	3000	3000
PIPE TYPE	RCP	RCP
GRADE	1 in 100	1 in 59.8
DATUM	236.0	239.0
DEPTH TO INVERT	2.00 1.85 1.77	1.15 1.15 1.02
HYDRAULIC GRADE LINE	243.87 243.20 243.35 243.89 244.04	246.86 246.35 246.51 246.81 246.88
INVERT LEVEL	243.20 243.35	246.50 246.35
FINISHED SURFACE LEVELS	245.20 245.20 245.20	247.50 247.53 247.53
EXISTING SURFACE LEVEL	245.37 245.40	247.23 247.32
CHAINAGE	0.00 8.35	9.55 9.55
(Reach Length)	(8.35)	(9.55)

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

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TITLE	NAME
DRAFTER	M.Angay
DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	

Quality Management ISO 9001
 OHS Management AS/NZS 1801
 Environmental Management ISO 14001

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0 5 10 20
 0 0.5 1 2
 Scale H1:500, V1:50
 SCALE AS SHOWN AT A1

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

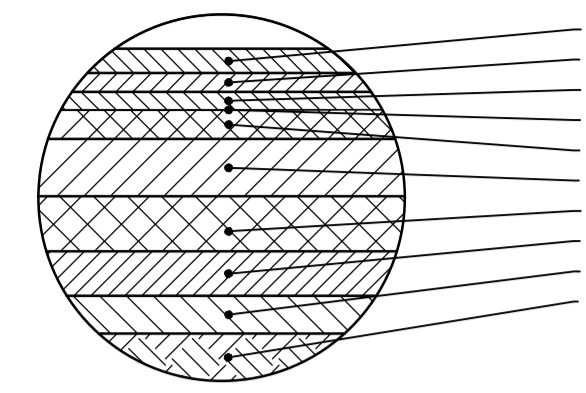
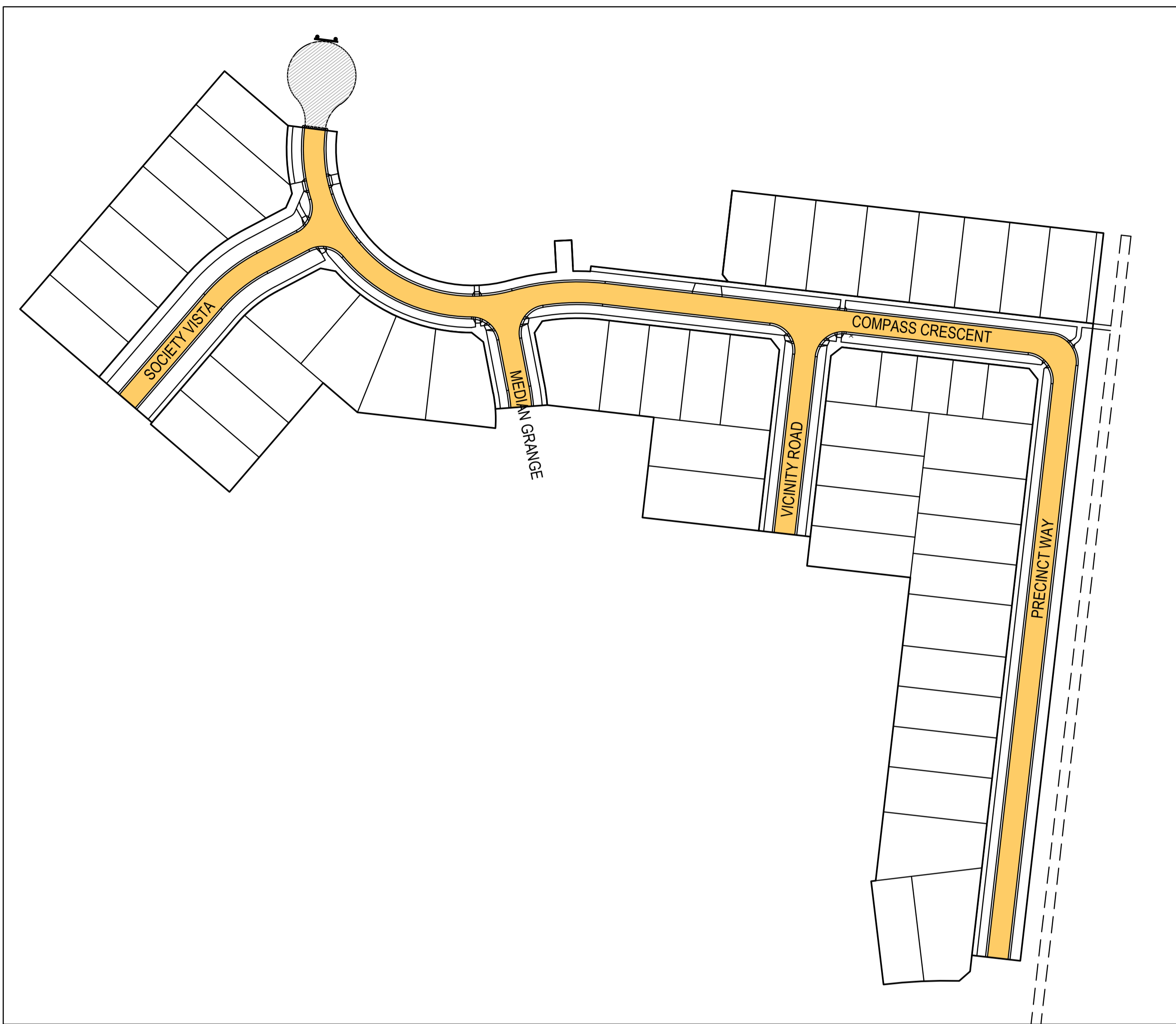
mirvac

Olivine Estate - Stage 11
 Whittlesea City Council
 Road and Drainage
 Drainage Longitudinal Sections - 3
 & Pit Schedule

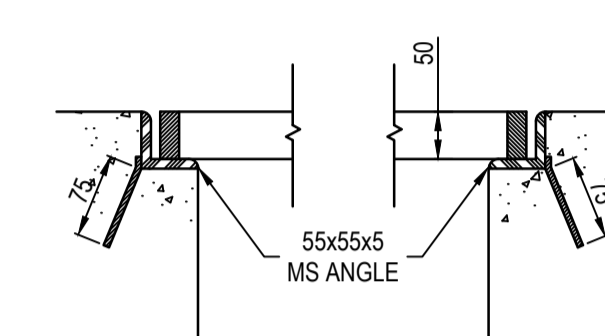
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
8 M2	1700E-11-18	18 of 20	1

DOWNTOWN AVENUE, MEDIAN GRANGE, METROPOLIS WAY
& VICINITY ROAD PAVEMENT COMPOSITION

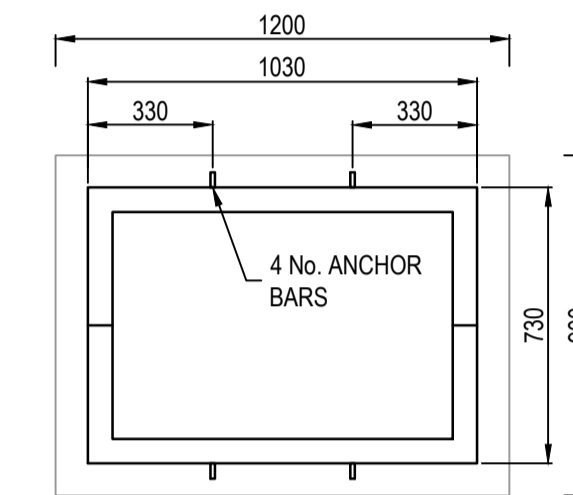
595mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	30	SIZE 10 TYPE N ASPHALT (CLASS 170 BINDER)
B INTERMEDIATE COURSE 1	30	SIZE 10 TYPE N ASPHALT (CLASS 170 BINDER)
D SAMII SEAL	10	SIZE 10 S18RF
E PRIME	YES	
F BASE COURSE	130	SIZE 20 CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% (MODIFIED) AS1289.5.2.1
H LOWER BASE	110	CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% (MODIFIED) AS1289.5.2.1
I CAPPING LAYER	285	IMPORTED TYPE A FILL WITH CBR≥8% SWELL≤1.5% PERMEABILITY k≤5x10 ⁻¹⁰ m/s. OR LIME STABILISED SITE WON CLAY WHICH CONFORMS TO THE PARAMETERS ABOVE.
J SUBGRADE		SUBGRADE CLAY AS FOUND (C.B.R = 2%) (IF REQUIRED, SUBGRADE IMPROVEMENT WORKS TO BE UNDERTAKEN TO COUNCIL'S SATISFACTION)



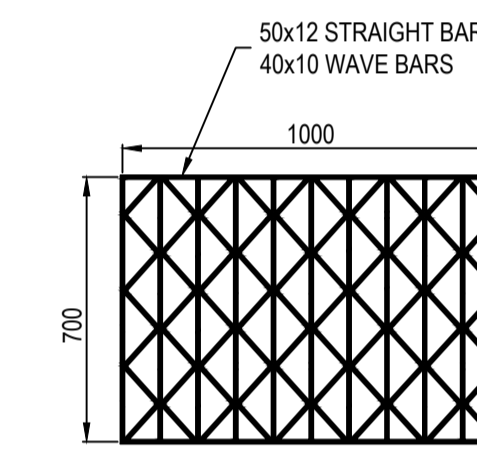
PAVEMENT COMPOSITION
KEY DIAGRAM



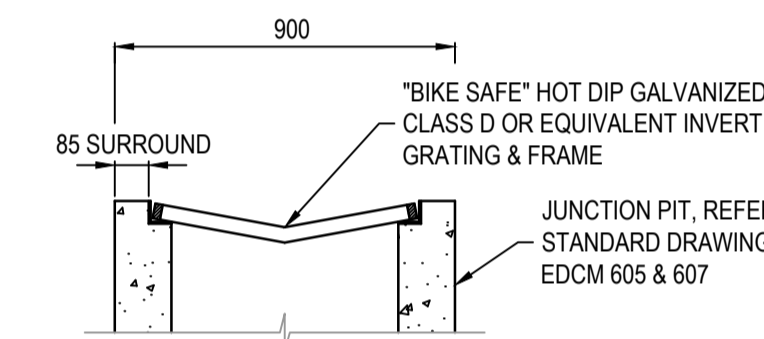
SECTION THROUGH GRATE



GRATE FRAME



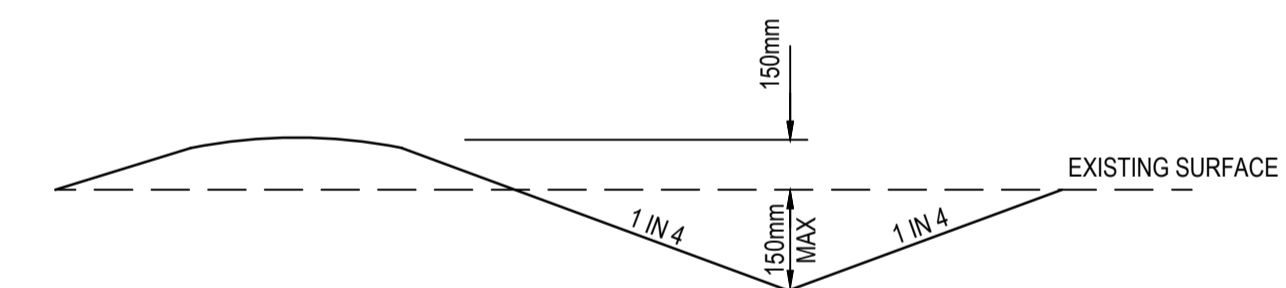
GRATE



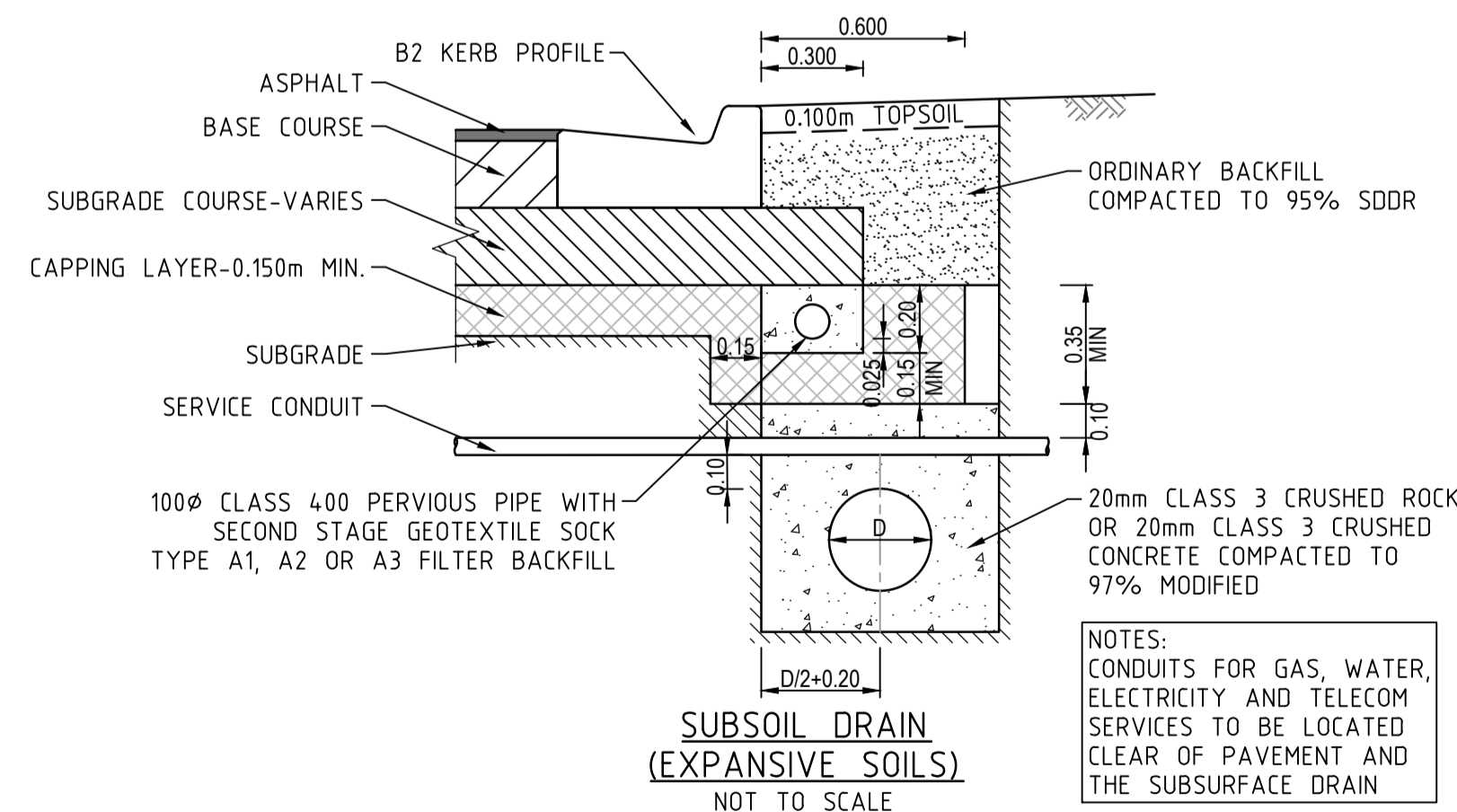
SECTION THROUGH PIT

- NOTES
- REFER TO EDMC STANDARD DRAWINGS 605, 606 & 607 FOR PIT DETAILS.
 - GRATE FRAME TO BE "BIKE SAFE" TO AS3996-1992

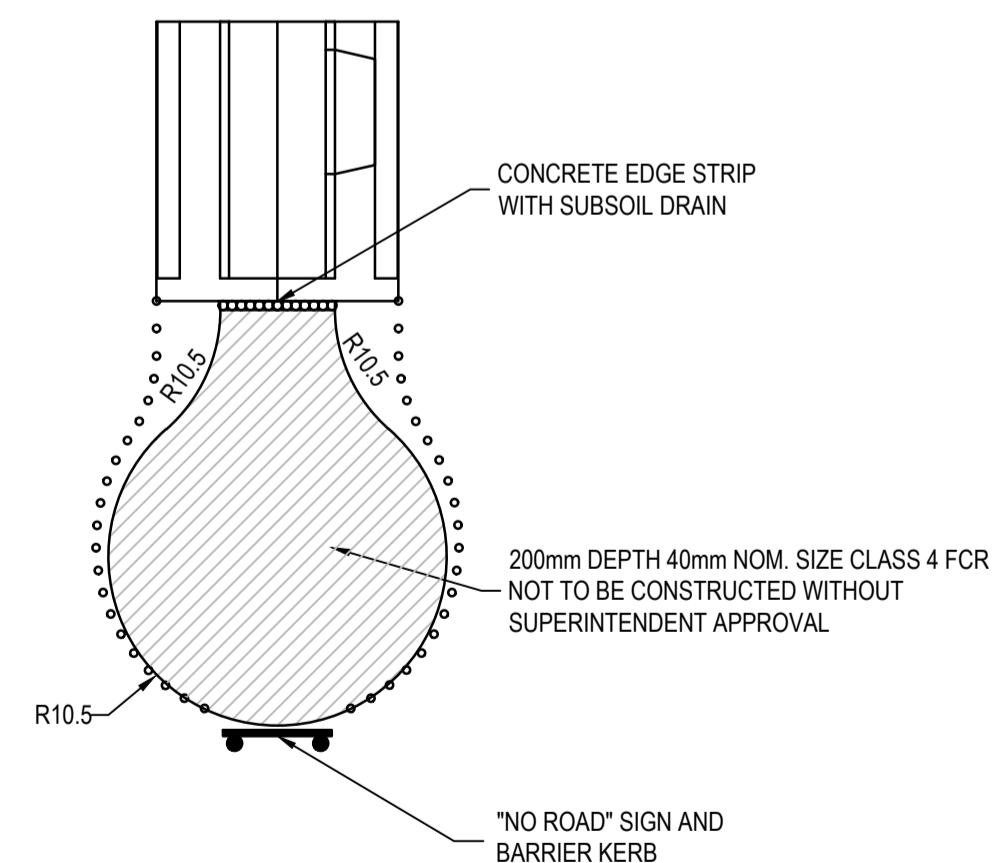
GRATED JUNCTION PIT DETAIL
NOT TO SCALE



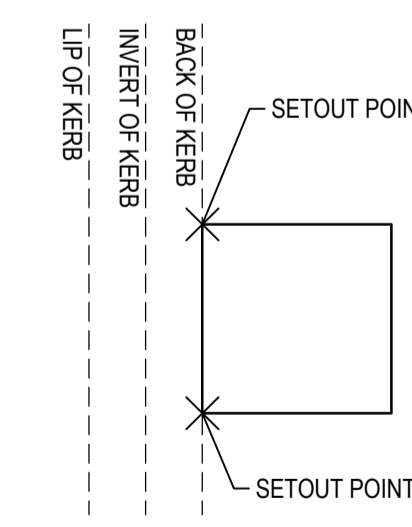
SWALE DRAIN DETAIL
NOT TO SCALE



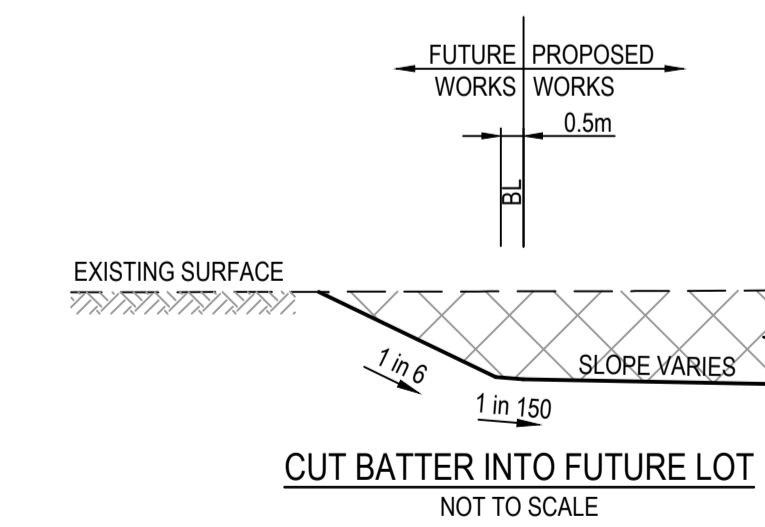
SUBSOIL DRAIN
(EXPANSIVE SOILS)
NOT TO SCALE



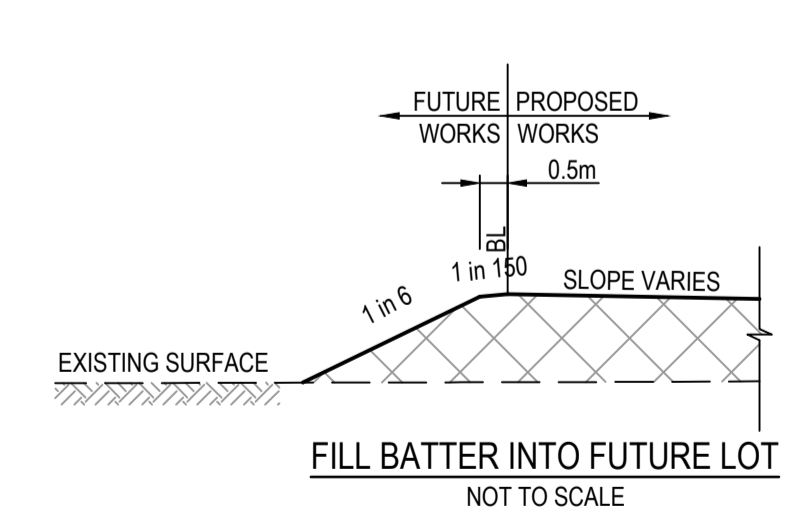
TEMPORARY TURN AREA DETAIL
NOT TO SCALE



PIT SETOUT POINT DETAIL
NOT TO SCALE



CUT BATTER INTO FUTURE LOT
NOT TO SCALE



FILL BATTER INTO FUTURE LOT
NOT TO SCALE

AS CONSTRUCTED PLANS

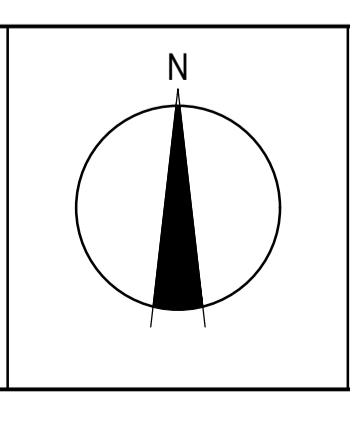
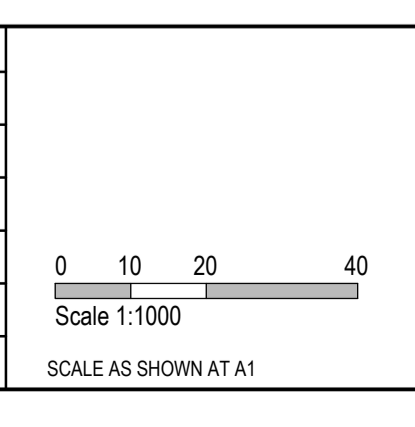
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Quality Management - ISO 9001
OHS Management - AS/NZS 4801
Environmental Management - ISO 14001

TITLE	NAME
DRAFTER	M.Angay
DESIGNER	M.Angay
CHECKED	K.Moore
AUTHORISED	A.Burrows
REFERENCE No. 1	
REFERENCE No. 2	



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mirvac

Olivine Estate - Stage 11
Whittlesea City Council
Road and Drainage
General Notes & Pavement Details

MELWAYS REF 8 M2	PROJECT / DRAWING No. 1700E-11-19	SHEET No. 19 of 20	REVISION 1
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