

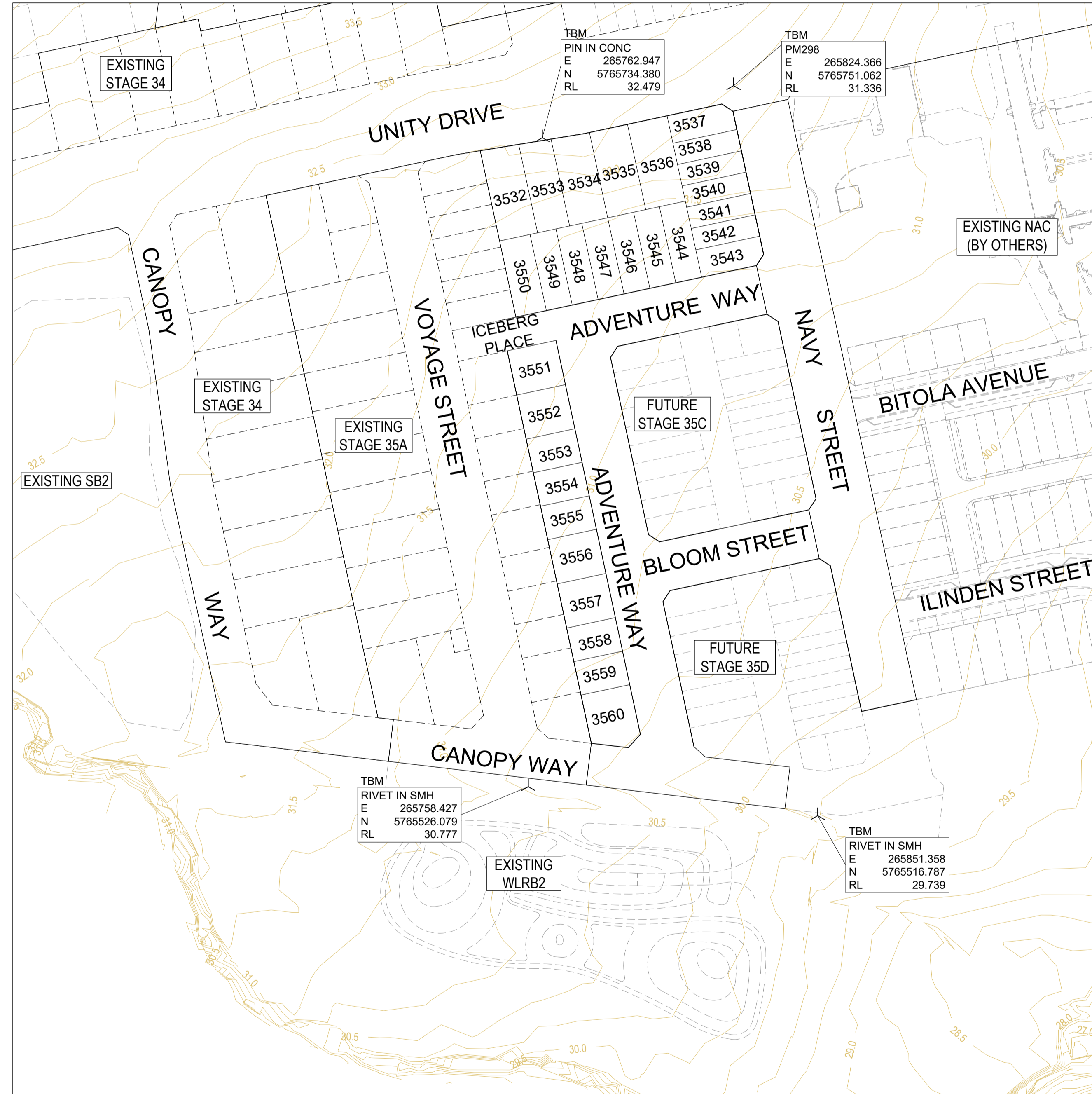
ARMSTRONG

STAGE 35B

CITY OF GREATER GEELONG

GENERAL NOTES:

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS AND GREATER GEELONG CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" (CODE OF PRACTICE No.8, 1998)
 - NOTIFY WORK SAFE OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- REDGUM TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED IN ACCORDANCE WITH COUNCIL'S PLANNING PERMIT. NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE TREE PROTECTION ZONE OF ANY EXISTING TREE WITHOUT WRITTEN APPROVAL FROM COUNCIL'S SUPERVISING OFFICER.
- ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHHEADS. WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS. WRITTEN DIMENSIONS ONLY SHALL BE USED.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE RESURFACED WITH A 150mm LAYER OF TOPSOIL AS SPECIFIED.
- NO TOPSOIL TO BE REMOVED FROM SITE.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
- FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-1996. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT.
- FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING A MINIMUM DENSITY RATIO OF 98% (STANDARD) IN ACCORDANCE WITH AS1289 CLAUSE 5.1.1.
- CUT AND FILL BATTER SLOPES ARE NOT TO EXCEED 1 IN 6 UNLESS SHOWN OTHERWISE.
- ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED UNLESS STATED OTHERWISE.
- ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- PROPERTY INLETS AS PER INFRASTRUCTURE DESIGN MANUAL (IDM) STANDARD DRAWING SD 520 ARE TO BE LOCATED 1.0m FROM LOW SIDE BOUNDARY UNLESS SHOWN OTHERWISE.
- ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 6.0m FROM THE SIDE BOUNDARY OR FROM EASEMENT ALONG THE SIDE BOUNDARY UNLESS NOTED OTHERWISE AND CONNECTED DIRECTLY TO UNDERGROUND DRAIN OR PIT. HOUSE DRAIN LOCATION TO BE MARKED (50mm STAMPED IMPRESSION) ON THE TOP OF THE KERB.
- SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL.
- CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE EXTENDED TO PROPERTY LINE AND ARE REQUIRED WHEN CONNECTIONS EXTEND UNDER ROAD PAVEMENT, FOOTPATH OR OTHER INFRASTRUCTURE. BOTH KERBS ARE TO BE MARKED (50mm STAMPED IMPRESSION) WITH THE LETTERS E (ELECTRICAL), G (GAS), T (TELEPHONE), W (WATER) AND C (COUNCIL COMMUNICATION) ABOVE CONDUIT LOCATION.
- ALL SERVICING TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS ETC. ARE TO BE BACKFILLED & COMPACTED WITH F.C.R. IN THE CASE OF TRENCHES UNDER ROADS WHERE BACKFILLING HAS NOT ACHIEVED THE SPECIFIED COMPACTION OR SHOWS EXCESSIVE MOVEMENT UNDER PROOF ROLLING, THE BACKFILLING SHALL BE REMOVED AND REPLACED WITH 2% STABILISED COMPACTED F.C.R.
- NO COMMUNICATION PITS ARE TO BE LOCATED IN THE FOOTPATH.
- VEHICULAR CROSSINGS TO BE LOCATED CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. VEHICLE CROSSINGS TO BE 1m FROM PROPERTY BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN. VEHICULAR CROSSINGS TO BE CONSTRUCTED AS PER CITY OF GREATER GEELONG "DESIGN NOTES No.4" DATED AUGUST 2012 & IDM STANDARD DRAWINGS SD205 to SD265.
- ALL PEDESTRIAN CROSSINGS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL SD200.
- ALL STREET SIGNS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS. STREET SIGNS TO BE ATTACHED TO LIGHT POLES USING SINGLE DIRECTION COLLAR OR 90° RIGHT ANGLE COLLAR UNLESS SHOWN OTHERWISE.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND AS1742.1 STANDARD RESPECTIVELY. TEMPORARY LINEMARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINEMARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
- UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
- ALL AREAS OF SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE FULLY GRASSED BY HYDRO MULCHING, WATERED AND MAINTAINED, UNTIL THE END OF MAINTENANCE PERIOD.
- ALL SUMPS IN PRECAST CONCRETE PITS ARE TO BE FILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE, UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR.
- CITY OF GREATER GEELONG REQUIRES CCTV OF ALL DRAINAGE PIPES AND PITS, PRIOR TO THE ISSUE OF THE STATEMENT OF COMPLIANCE



LOCALITY PLAN
 MELWAYS REF: 479 E3

Drawing Index

Drawing No.	Drawing Title	Revision
R100	COVER SHEET	B
R200	LAYOUT PLAN	B
R201	SERVICES PLAN	B
R202	EARTHWORKS PLAN	B
R300	INTERSECTION DETAILS - 01	B
R301	INTERSECTION DETAILS - 02	B
R400	LONGITUDINAL SECTIONS	B
R500	ROAD CROSS SECTIONS - 01	B
R501	ROAD CROSS SECTIONS - 02	B
R502	ROAD CROSS SECTIONS - 03	B
R503	ROAD CROSS SECTIONS - 04	B
R504	ROAD CROSS SECTIONS - 05	B
R505	ROAD CROSS SECTIONS - 06	B
R600	DRAINAGE LONG SECTIONS - 01	B
R601	DRAINAGE LONG SECTIONS - 02	B
R602	PIT SCHEDULE	B
R700	TYPICAL DETAILS	B
R800	SIGNAGE & LINEMARKING	B
R900	CONCRETE JOINTING PLAN	B

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & 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

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P:\2018\18016 - VILLAWOOD ARMSTRONG (18016.35B)\18016.35B\CIVIL2 - DRAWINGS\CAD\18016.35B - R100 - COVER SHEET.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

villawood
 properties
 Communities Designed for Living

creo
 CIVIL

Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

ARMSTRONG
 AT DUNDEE

DRAWING TITLE
ARMSTRONG - STAGE 35B
COVER SHEET

PLANNING PERMIT No: PP-496-2012

STATUS
ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

SCALE @ A1: 1:2000

DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAY (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.35B	R100	B



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET PIT
- EXISTING STORMWATER DRAIN
- EXISTING HOUSE DRAIN
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- EXISTING SEWER
- HOUSE DRAIN
- SERVICE CONDUITS
- PROPOSED ELECTRICITY (UNDERGROUND)
- PROPOSED GAS
- PROPOSED OPTIC FIBRE
- PROPOSED TELSTRA
- PROPOSED WATER
- PROPOSED RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & CROSS OVER
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & NON STANDARD CROSS OVER
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- RIDGE LINE
- 0.25m EXISTING CONTOURS
- BOLLARD & RAIL FENCING

- NOTES:**
- ALL VEHICLE AND PRAM CROSSING LAYBACKS, TO BE MINIMUM OF 1.0m FROM PITS.
 - ALL PRAM CROSSINGS TO BE A MINIMUM 2.0m FROM VEHICLE CROSSINGS.
 - ALL PRAM CROSSINGS TO BE DDA COMPLIANT. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF LANDSCAPE WORKS.
 - THE USE OF DIRECTIONAL AND HAZARD TACTILE PAVERS MUST ACCORD WITH SECTION 2.2.3.1 OF AS/NZS 1428.4:2002.
 - SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE, TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH.
 - CHAINAGES FOR SETOUT OF PROPERTY INLET POINTS, SERVICING FUTURE LOTS, ARE MEASURED FROM THE DOWNSTREAM PIT.
 - CONTRACTOR TO LOCATE ALL EXISTING ASSETS PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO EXISTING ASSETS TO BE RECTIFIED AT CONTRACTORS EXPENSE.
 - CONTRACTOR TO VERIFY DEPTH OF EXISTING SERVICES, PRIOR TO COMMENCEMENT OF CONSTRUCTION.

NOTE: STREET TREE LOCATIONS SHOWN ARE INDICATIVE ONLY. ULTIMATE LOCATION IS TO BE PROVIDED/CONFIRMED BY LANDSCAPE ARCHITECTS

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B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

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 Suite 1, 2 Bloombsbury Street
 Newtown, VIC, Australia 3220

ARMSTRONG
 AT DUNFEED

DRAWING TITLE
ARMSTRONG - STAGE 35B LAYOUT PLAN

PLANNING PERMIT No: PP-496-2012

STATUS
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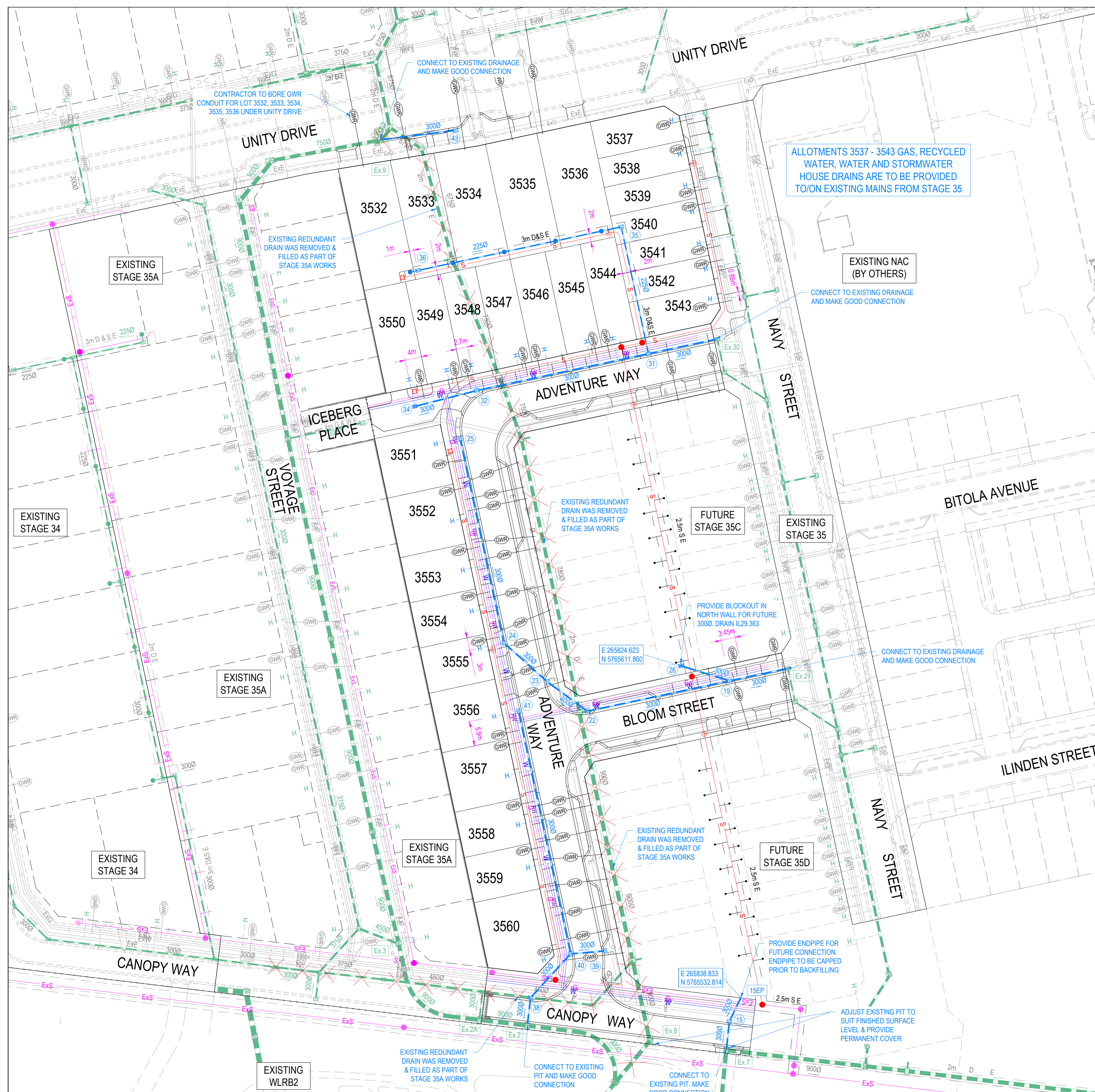
SCALE @ A1 : 1:500

DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAY (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.35B	R200	B

LEGEND - SERVICES PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- EXISTING STORMWATER DRAIN
- SEWER & MAINTENANCE STRUCTURES
- EXISTING SEWER
- HOUSE DRAIN
- SERVICE CONDUITS
- PROPOSED ELECTRICITY (UNDERGROUND)
- PROPOSED GAS
- PROPOSED OPTIC FIBRE
- PROPOSED TELSTRA
- PROPOSED WATER
- PROPOSED RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY

STORMWATER PIT SETOUT POINT



SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		RECYCLED WATER		POTABLE WATER		OPTIC FIBRE		ELECTRICITY		PUBLIC LIGHTING	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
ADVENTURE WAY	NW	2.10	NW	2.60	NW	3.10	S/E	1.80	S/E	2.60	S/E	1.00*
BLOOM STREET	N	2.10	N	2.60	N	3.10	S	1.80	S	2.60	S	1.00*
CANOPY WAY	N	2.10	N	2.60	N	3.10	N	4.10	N	4.70	N	1.00*
NAVY STREET	W	2.10	W	2.60	W	3.10	E	1.80	E	2.60	E	1.00*
ICEBERG PLACE	N	2.10	N	2.60	N	3.10	S	0.80	S	1.60	-	-

1. * DENOTES OFFSET FROM BACK OF KERB.

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE	 Communities Designed for Living
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE	

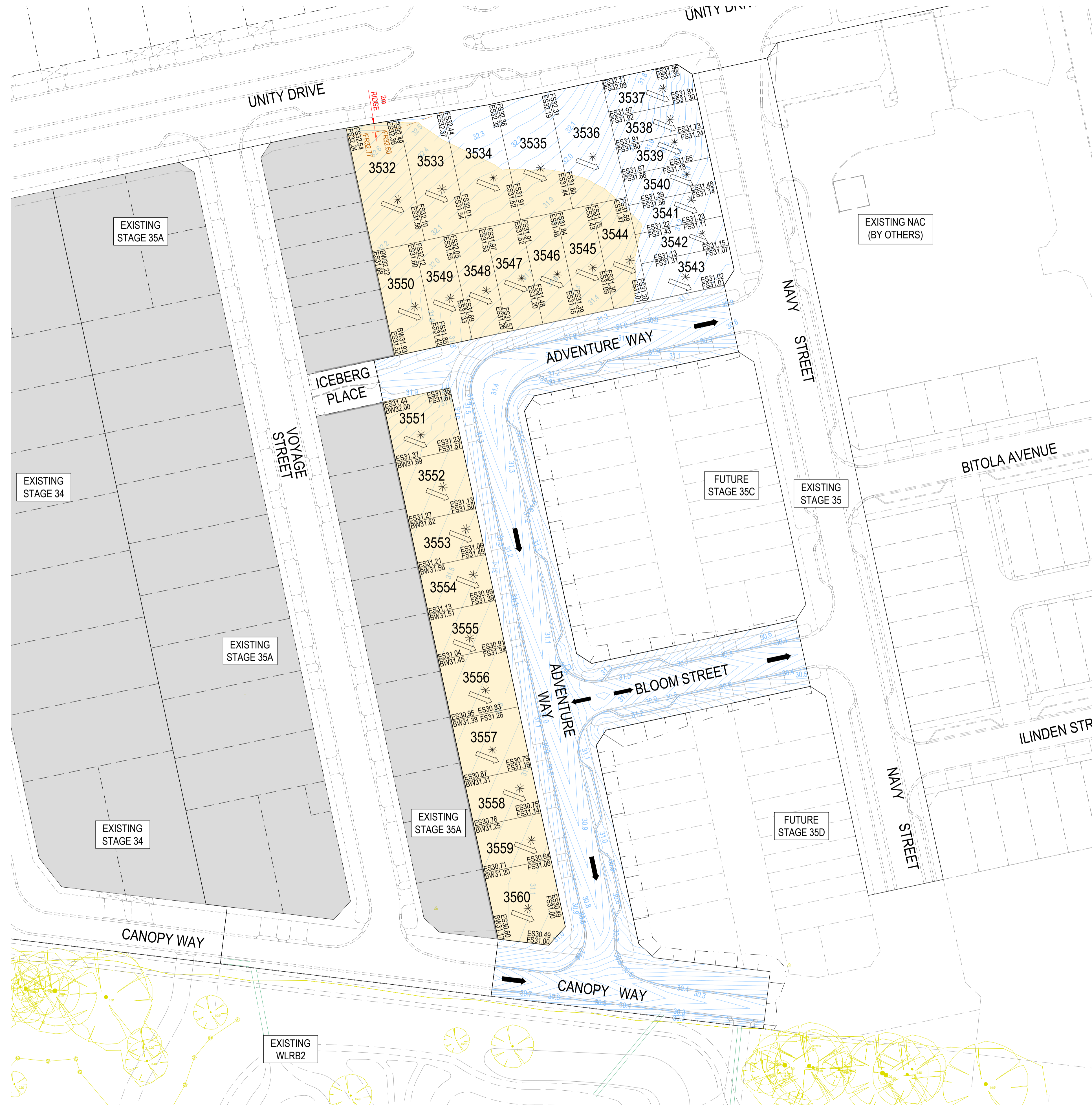
Communities Designed for Living

Suite 1, 2 Bloomsbury Street
Newtown, VIC, Australia 3220

ARMSTRONG - STAGE 35B SERVICES PLAN
 PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL NOT FOR CONSTRUCTION
 SCALE @ A1 : 1:500

DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAY (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.35B	R201	B



LEGEND - EARTHWORKS PLAN

- RIDGE LINE
- - - STAGE BOUNDARY BATTER
- - - SWALE DRAIN
- ES141.34 EXISTING SURFACE LEVEL
- FS140.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- BW140.35 BOTTOM OF RETAINING WALL LEVEL
- TW157.40 TOP OF RETAINING WALL LEVEL
- EXISTING STRUCTURAL FILL > 200mm DEEP
- STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- 0.10m CONTOUR

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 properties
 Communities Designed for Living

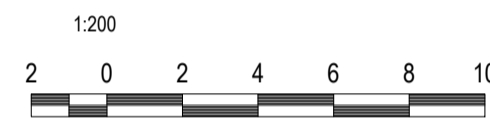
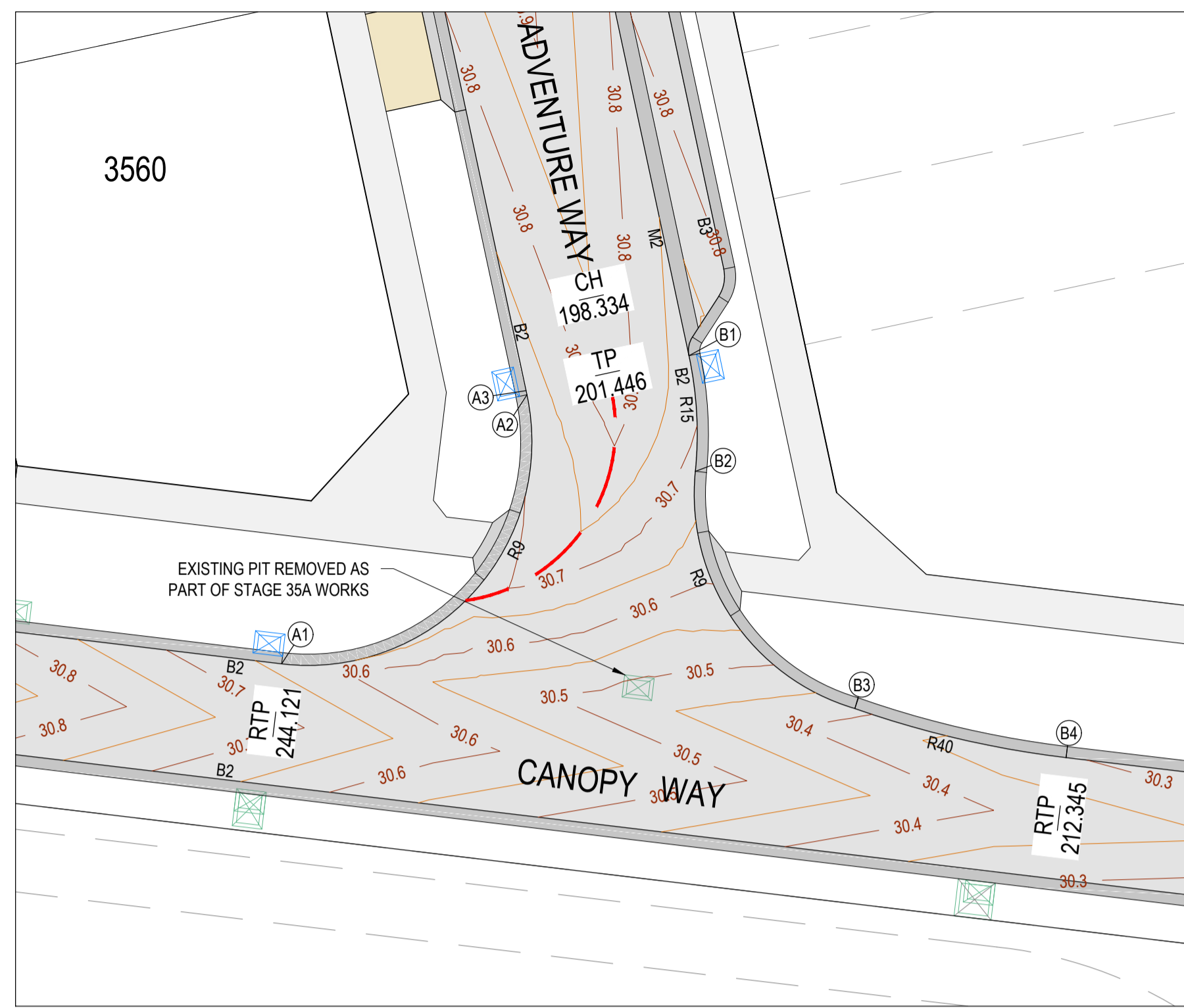
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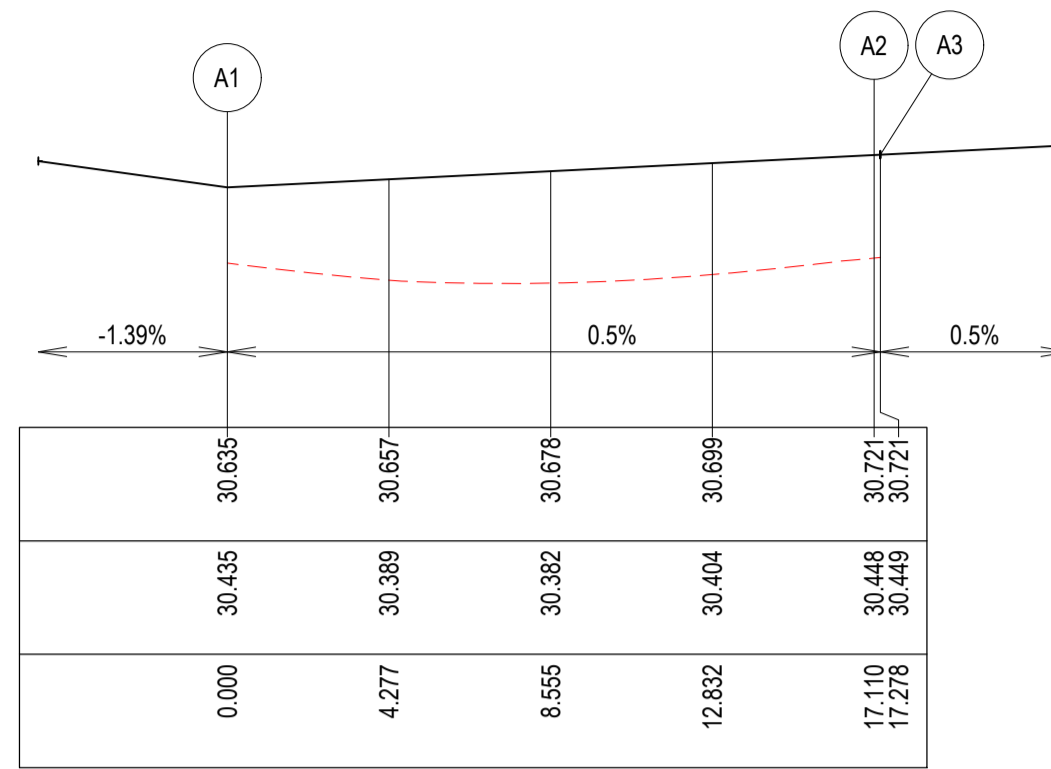
ARMSTRONG - STAGE 35B
EARTHWORKS PLAN
 PLANNING PERMIT No: PP-496-2012

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NOT FOR CONSTRUCTION
 SCALE @ A1 : 1:500

DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAY (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.35B	R202	B



VERTICAL GEOMETRY
DATUM RL30
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



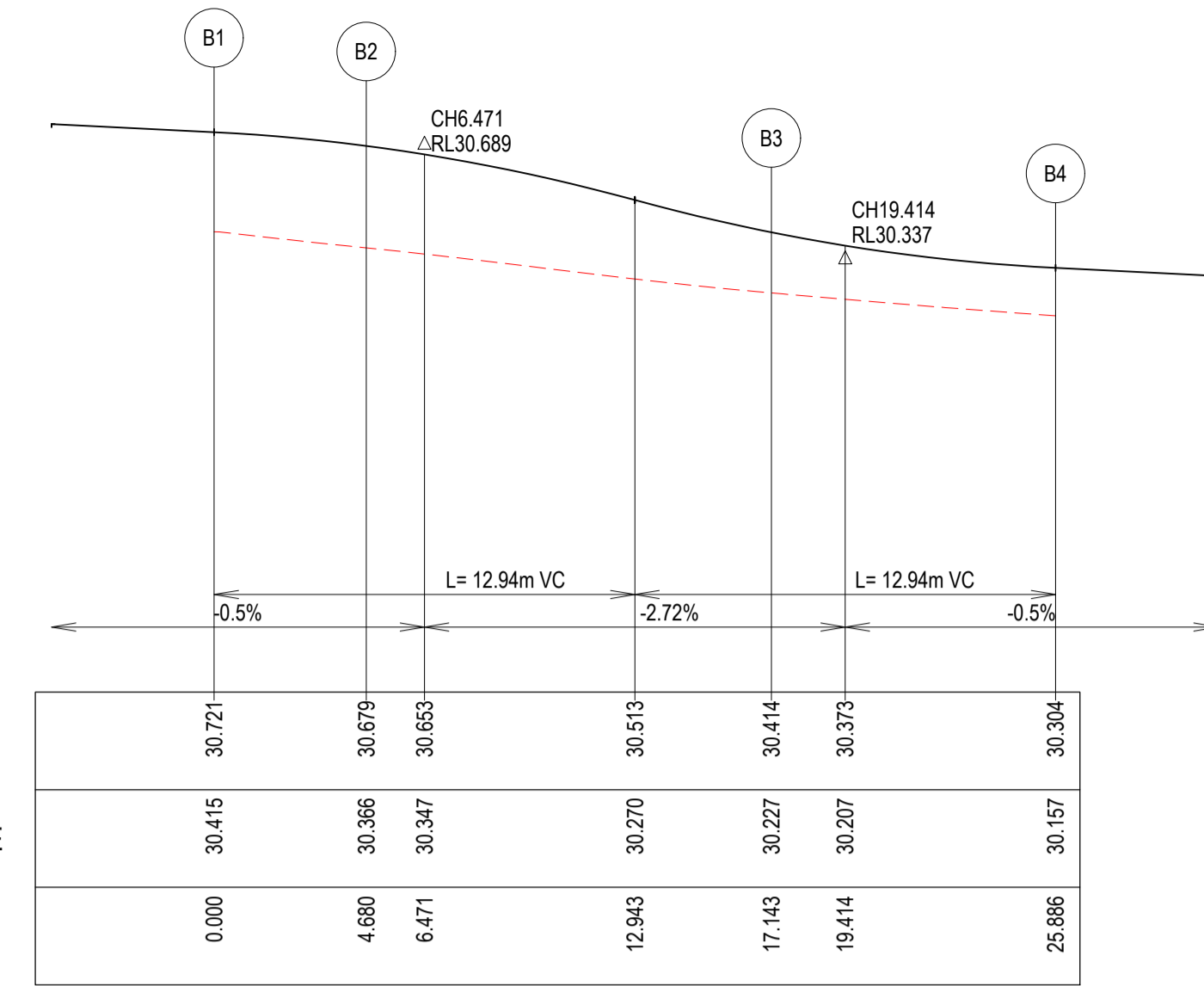
LIP LINE A

ALIGNMENT A

PT NO	EASTING	NORTHING	RL
A1	265789.307	5765532.039	30.635
A2	265799.176	5765542.863	30.721
A3	265799.141	5765543.027	30.721

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
A1 - A2	108.925	9	17.11	3.769	2.771	4.118	3.205	4.277	30.678

VERTICAL GEOMETRY
DATUM RL29
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE B

ALIGNMENT B

PT NO	EASTING	NORTHING	RL
B1	265805.692	5765544.432	30.721
B2	265805.949	5765539.778	30.679
B3	265812.359	5765530.241	30.414
B4	265820.858	5765528.266	30.304

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
B1 - B2	17.874	15	4.68	0.182	0.137	1.169	1.162	1.17	30.705
B2 - B3	79.348	9	12.464	2.073	1.539	3.054	2.692	3.116	30.565
B3 - B4	12.522	40	8.742	0.239	0.179	2.184	2.178	2.186	30.343

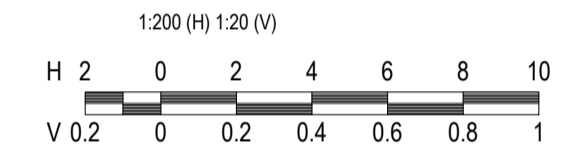
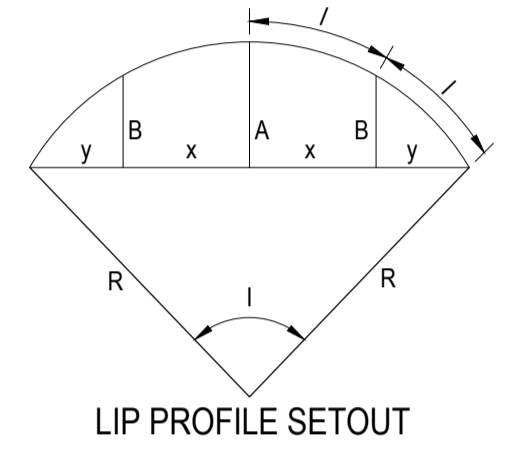
CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL
GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME
Endorsed Plan
Planning Permit No: PP-496-2012/H
Certification No: 16351
Sheet 5 of 19
Approved By Matthew Kirtley
Approved Date 23/01/2025
NOTE: THIS IS NOT A BUILDING APPROVAL

LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN & PIT
- TACTILE PAVERS
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- CROWN
- MINOR CONTOUR
- MAJOR CONTOUR

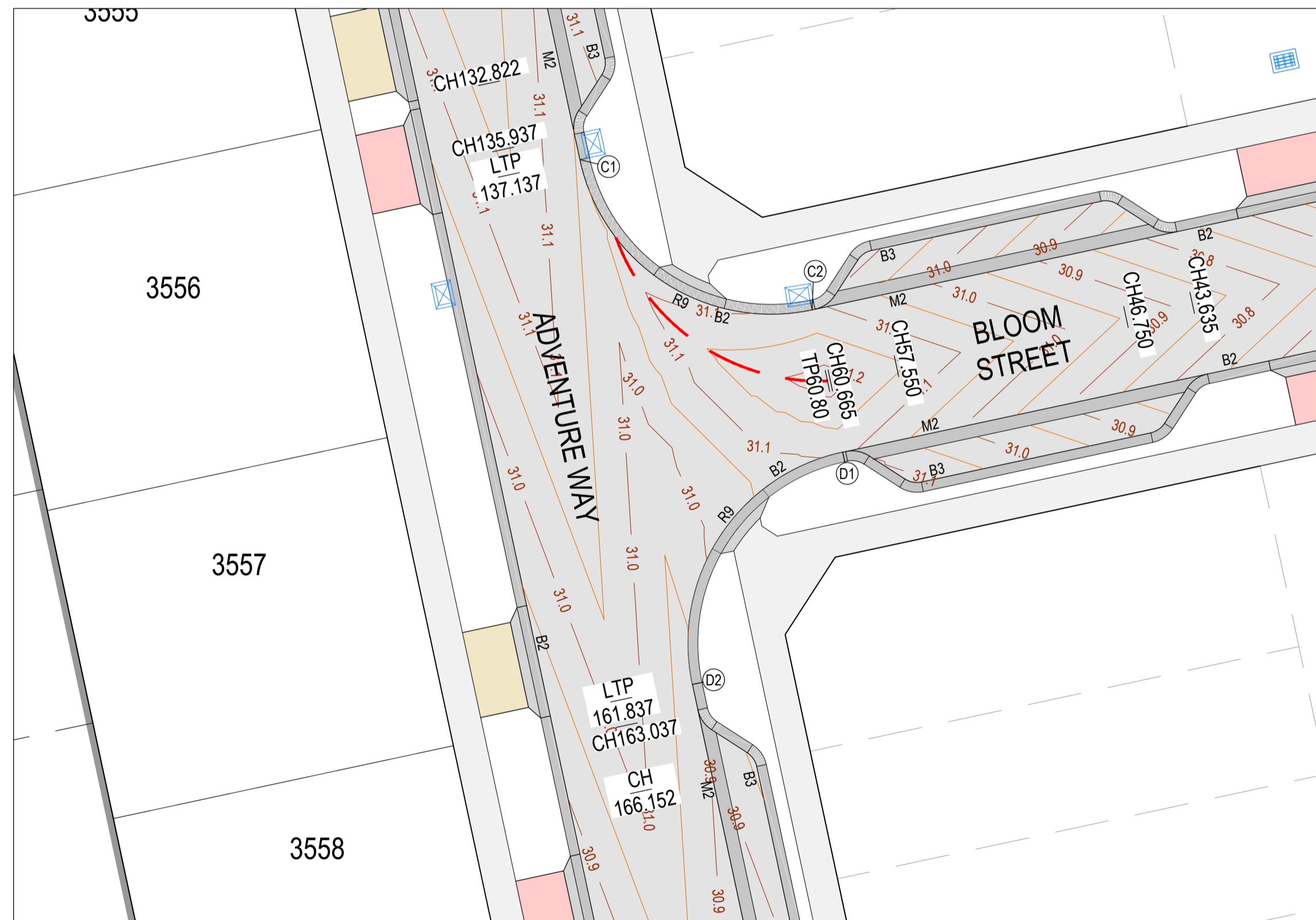
LEGEND - SECTION

- EXISTING SURFACE
- DESIGN LINE

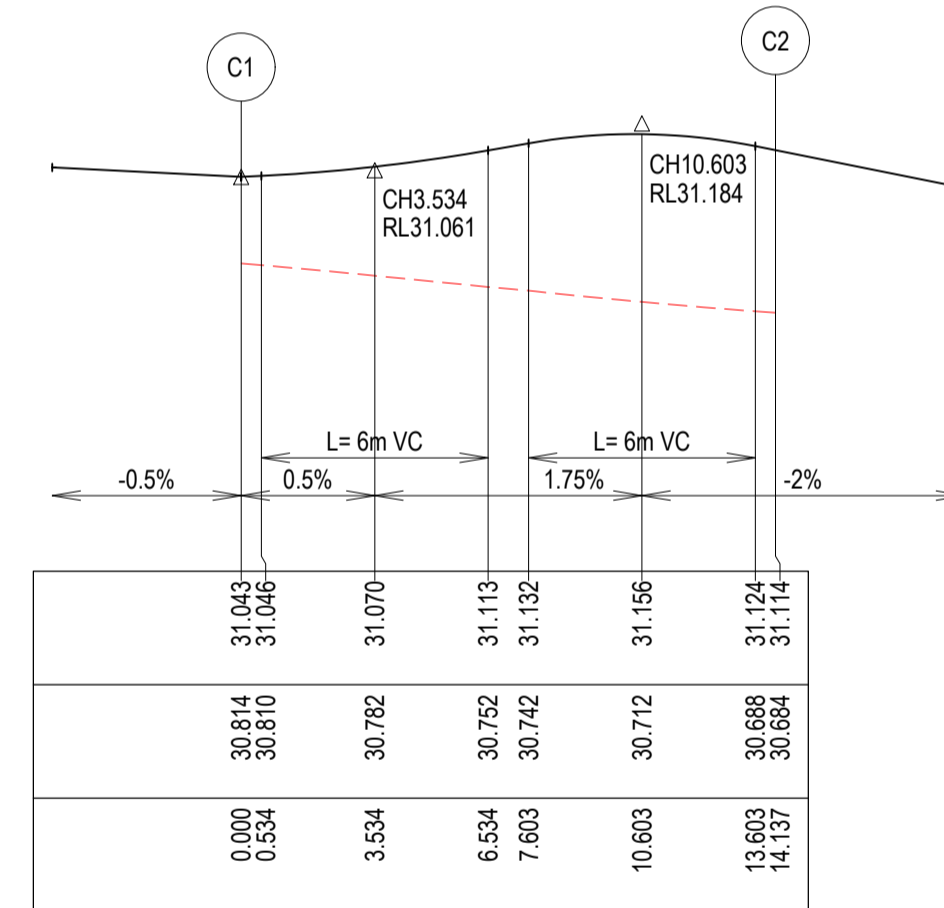


NOTE
FOR SIGNS & LINEMARKING PLAN
REFER SHEETS R800.

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VERTICAL GEOMETRY
DATUM RL30
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



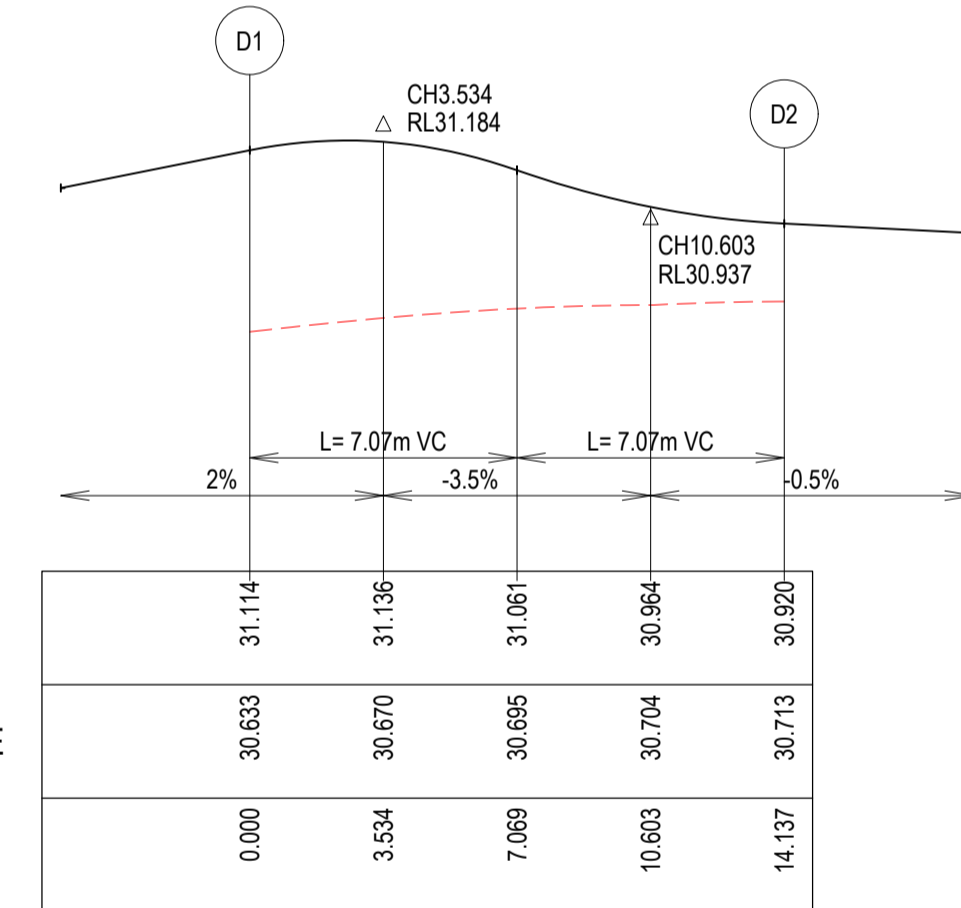
LIP LINE C

ALIGNMENT C

PT NO	EASTING	NORTHING	RL
C1	265792.206	5765607.311	31.043
C2	265802.893	5765600.398	31.114

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
C1 - C2	90	9	14.137	2.636	1.951	3.444	2.92	3.534	31.123

VERTICAL GEOMETRY
DATUM RL30
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE D

ALIGNMENT D

PT NO	EASTING	NORTHING	RL
D1	265804.298	5765593.847	31.114
D2	265797.385	5765583.16	30.92

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
D1 - D2	90	9	14.137	2.636	1.951	3.444	2.92	3.534	31.061

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
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villawood
properties
Communities Designed for Living

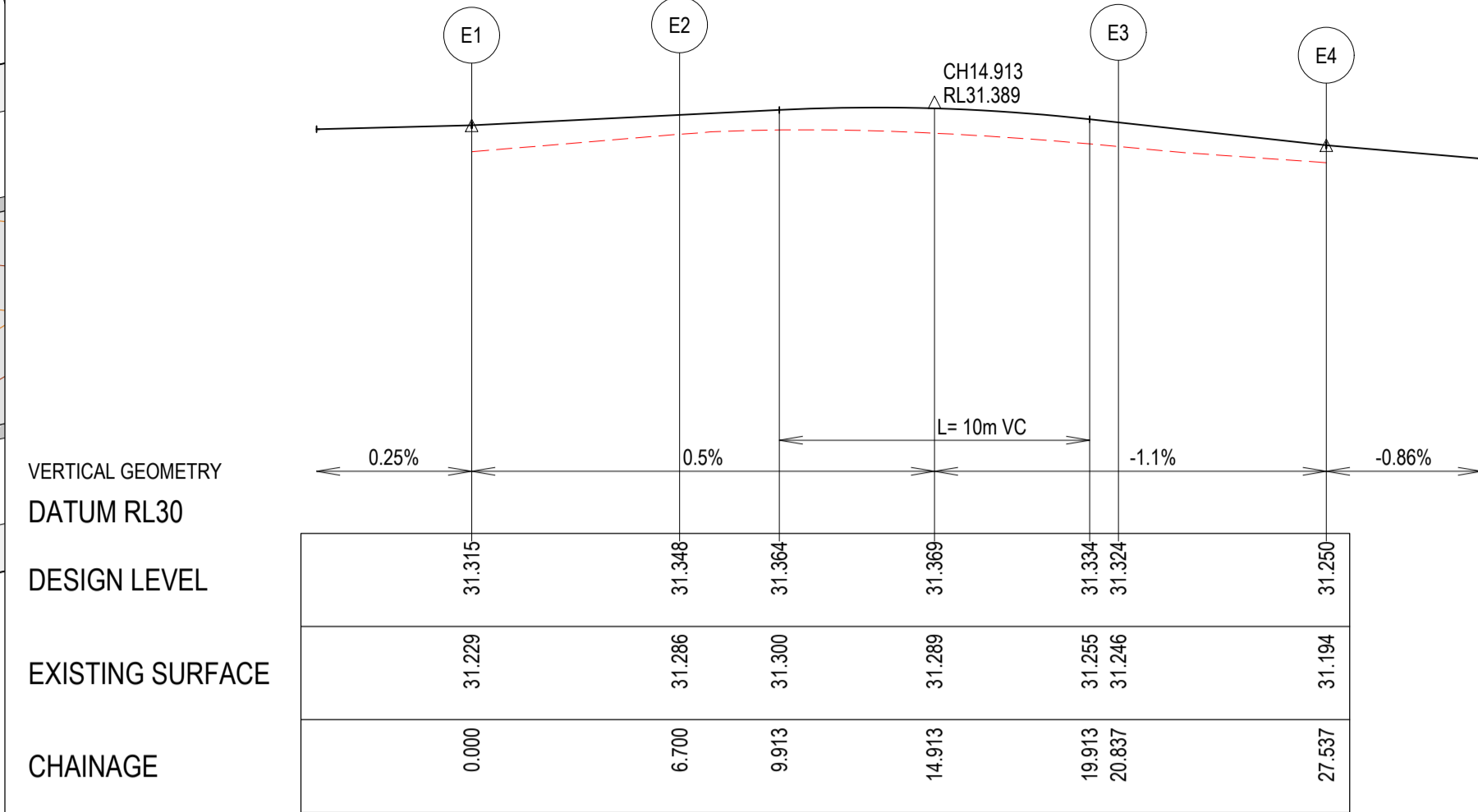
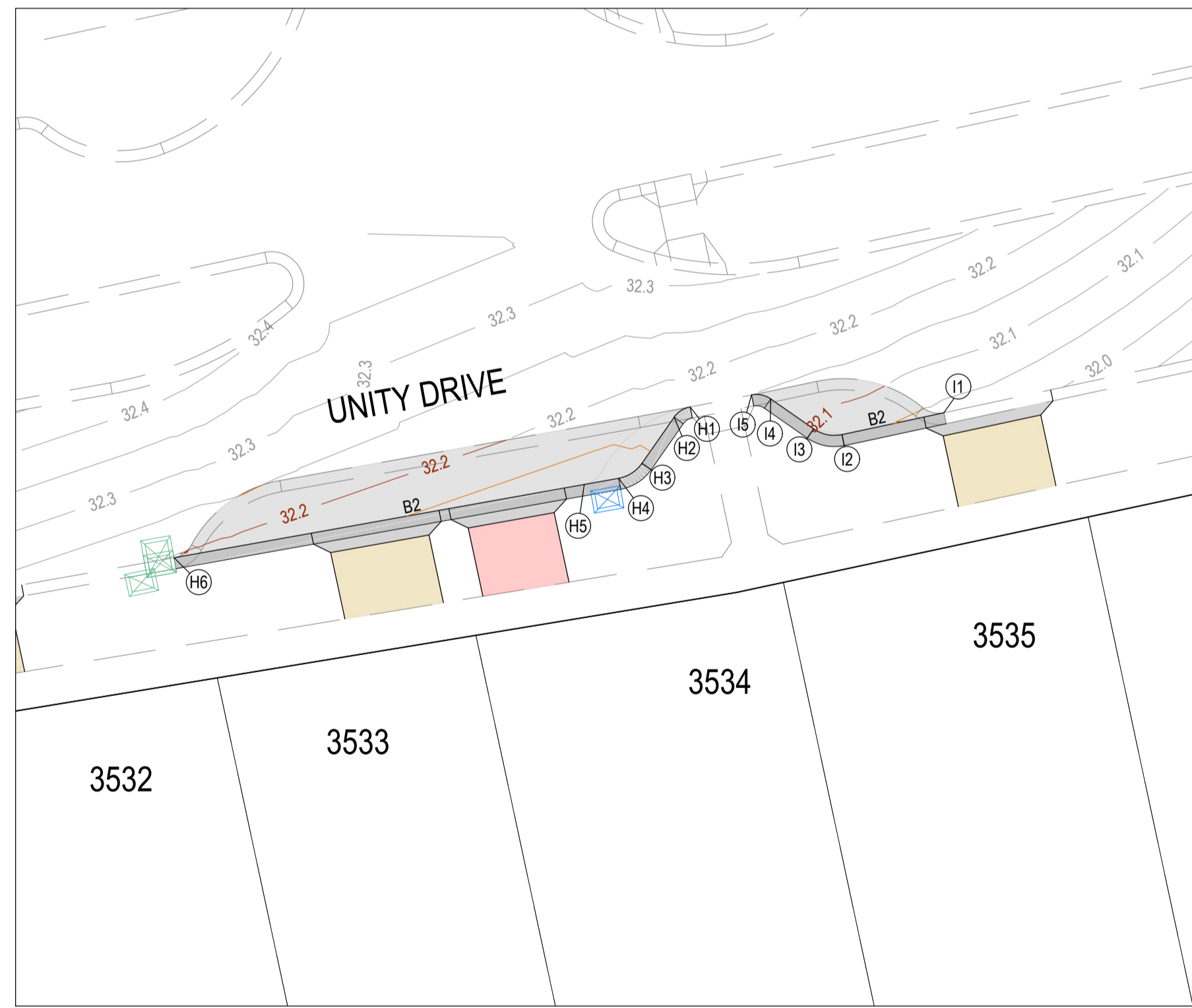
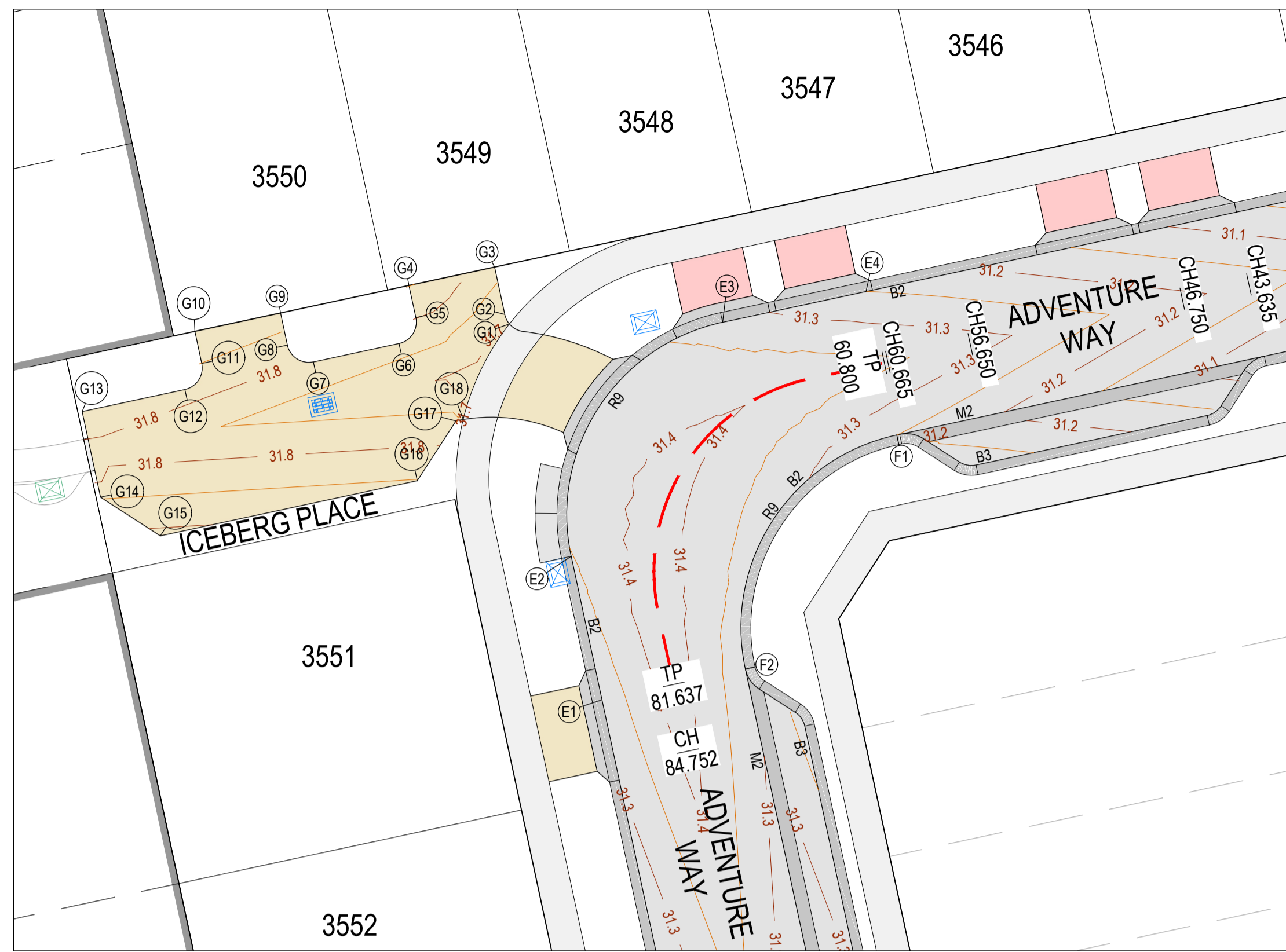
creo
CIVIL
Suite 1, 2 Bloomsbury Street
Newtown, VIC, Australia 3220

ARMSTRONG
M.T. DUNNEE

ARMSTRONG - STAGE 35B
INTERSECTION DETAILS - 01
PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION
SCALE @ A1:
AS SHOWN

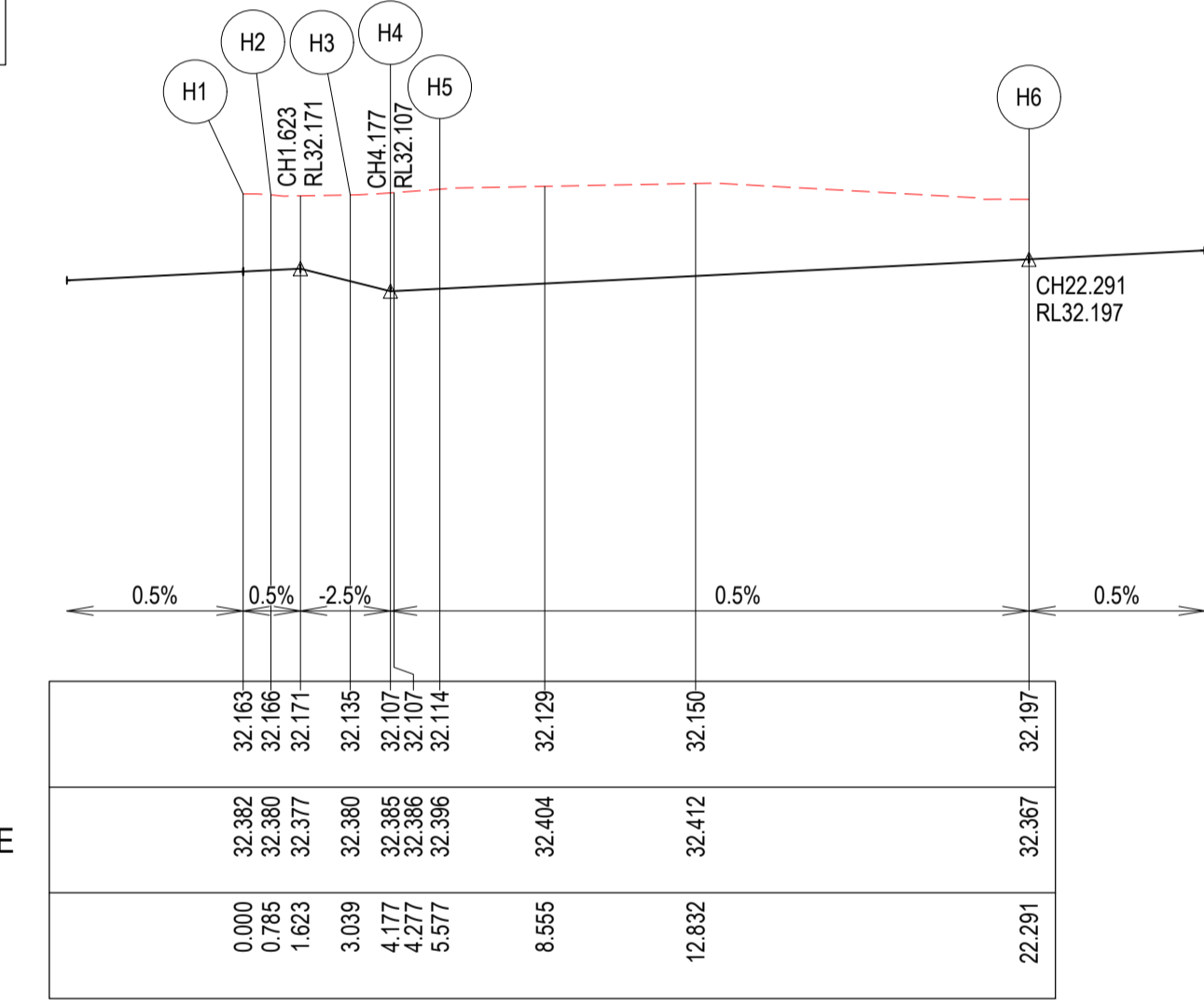
DESIGNED: K.MCKELVIE
PROJECT ENGINEER: J.RAMSAY (PE0015586)
DRAWN: K.MCKELVIE
PROJECT MANAGER: M.TROUNCE
PROJECT No: **180016.35B**
DRAWING No: **R300**
REVISION: **B**



ALIGNMENT E

PT NO	EASTING	NORTHING	RL
E1	265774.016	5765660.172	31.315
E2	265772.611	5765666.723	31.348
E3	265779.524	5765677.41	31.324
E4	265786.075	5765678.815	31.250

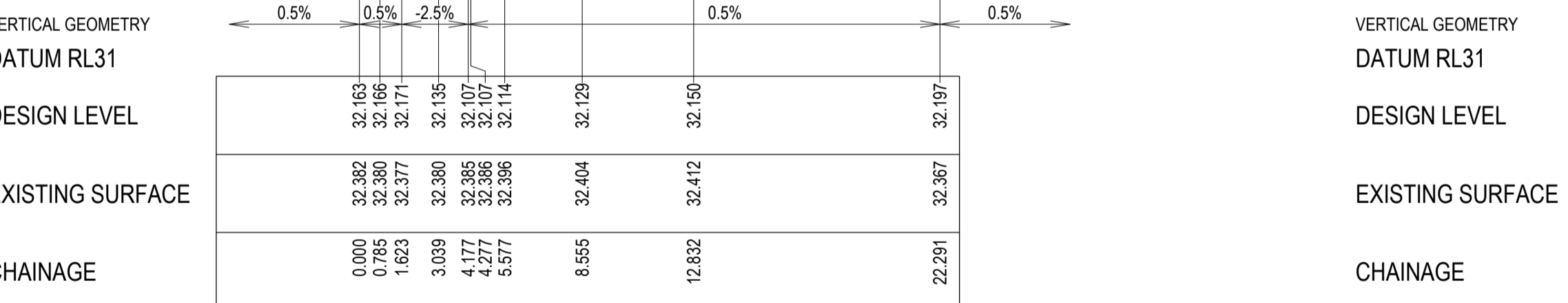
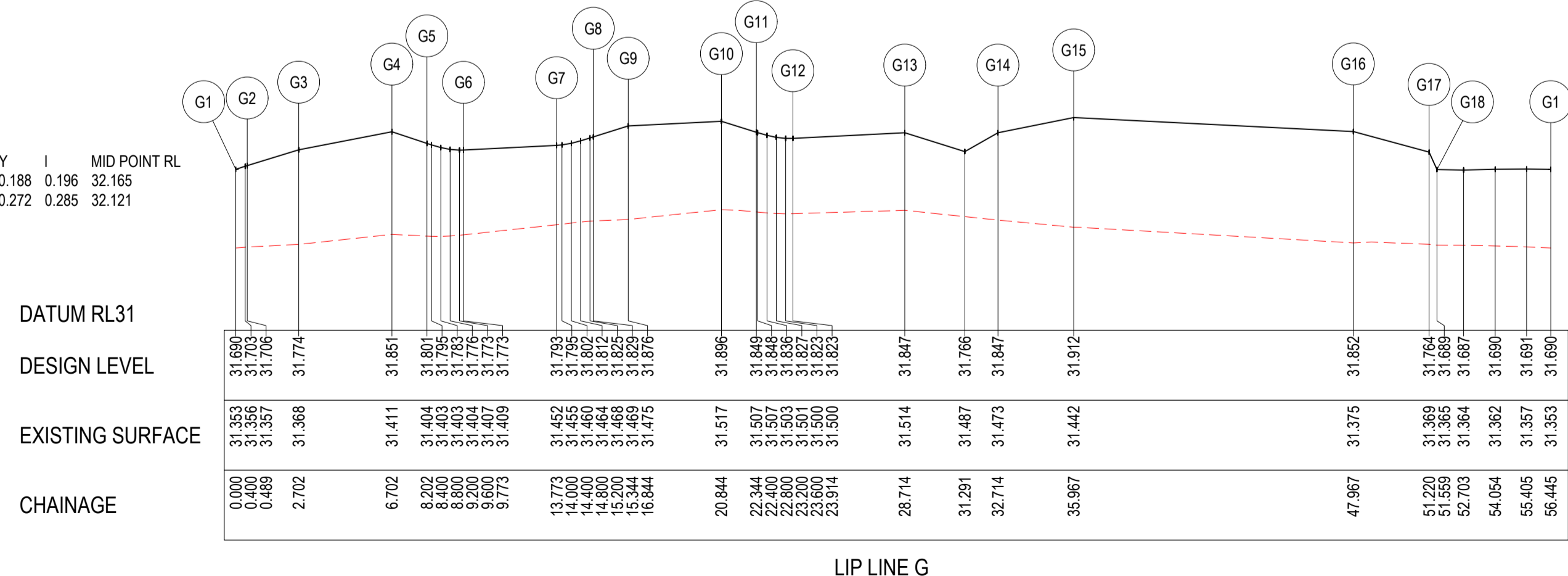
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
E2-E3	90	9	14.137	2.636	1.951	3.444	2.92	3.534	31.371



ALIGNMENT H

PT NO	EASTING	NORTHING	RL
H1	265774.306	5765743.087	32.163
H2	265773.661	5765742.674	32.166
H3	265772.373	5765740.826	32.135
H4	265771.438	5765740.227	32.107
H5	265770.06	5765739.981	32.114
H6	265753.606	5765737.044	32.197

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
H1-H2	45	1	0.785	0.076	0.057	0.195	0.188	0.196	32.165
H3-H4	45	1.45	1.139	0.11	0.083	0.283	0.272	0.285	32.121



ALIGNMENT I

PT NO	EASTING	NORTHING	RL
I1	265784.479	5765742.854	32.04
I2	265780.393	5765741.978	32.061
I3	265779.26	5765742.206	32.097
I4	265777.536	5765743.408	32.146
I5	265776.766	5765743.568	32.15

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
I2-I3	46.984	1.45	1.189	0.12	0.09	0.295	0.283	0.297	32.079
I4-I5	46.293	1	0.808	0.08	0.06	0.201	0.192	0.202	32.148

ALIGNMENT G

PT NO	EASTING	NORTHING	RL
G1	265769.79	5765677.334	31.69
G2	265769.577	5765677.769	31.706
G3	265769.113	5765679.933	31.774
G4	265765.202	5765679.094	31.851
G5	265765.517	5765677.628	31.801
G6	265764.749	5765676.44	31.773
G7	265760.837	5765675.601	31.793
G8	265759.65	5765676.369	31.829
G9	265759.335	5765677.836	31.876
G10	265755.424	5765676.997	31.896
G11	265755.739	5765675.531	31.849
G12	265754.971	5765674.343	31.823
G13	265750.278	5765673.337	31.847
G14	265751.116	5765669.425	31.847
G15	265753.848	5765667.659	31.912
G16	265765.581	5765670.175	31.852
G17	265767.347	5765672.906	31.764
G18	265767.681	5765672.959	31.689

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
G1-G2	28.006	1	0.489	0.03	0.022	0.122	0.12	0.122	31.698
G5-G6	90	1	1.571	0.293	0.217	0.383	0.324	0.393	31.78
G7-G8	90	1	1.571	0.293	0.217	0.383	0.324	0.393	31.806
G11-G12	90	1	1.571	0.293	0.217	0.383	0.324	0.393	31.829
G18-G1	24.34	11.5	4.885	0.258	0.194	1.219	1.205	1.221	31.69

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL
GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

Endorsed Plan
 Planning Permit No: PP-496-2012/H
 Certification No: 16351
 Sheet 6 of 19
 Approved By Matthew Kirtley
 Approved Date 23/01/2025

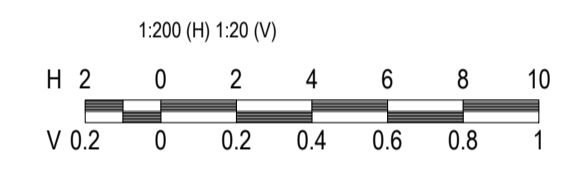
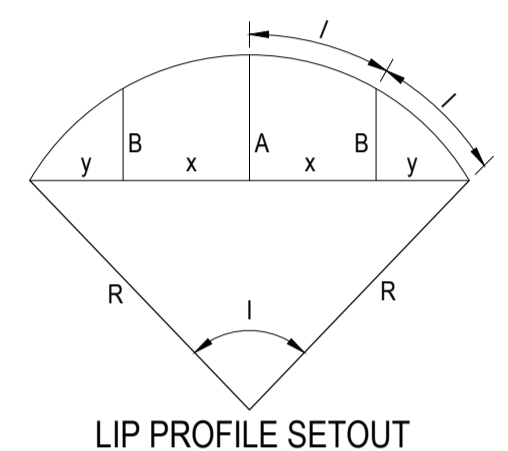
NOTE: THIS IS NOT A BUILDING APPROVAL

LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN & PIT
- TACTILE PAVERS
- PROPOSED PAVEMENT, KERB & CHANNEL
- FOOTPATH & DRIVEWAY
- CROWN
- MINOR CONTOUR
- MAJOR CONTOUR

LEGEND - SECTION

- EXISTING SURFACE
- DESIGN LINE



NOTE
 FOR SIGNS & LINEMARKING PLAN
 REFER SHEETS R800.

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

The locations of underground & overhead services are approximate only & 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

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE



ARMSTRONG - STAGE 35B
INTERSECTION DETAILS - 02

PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

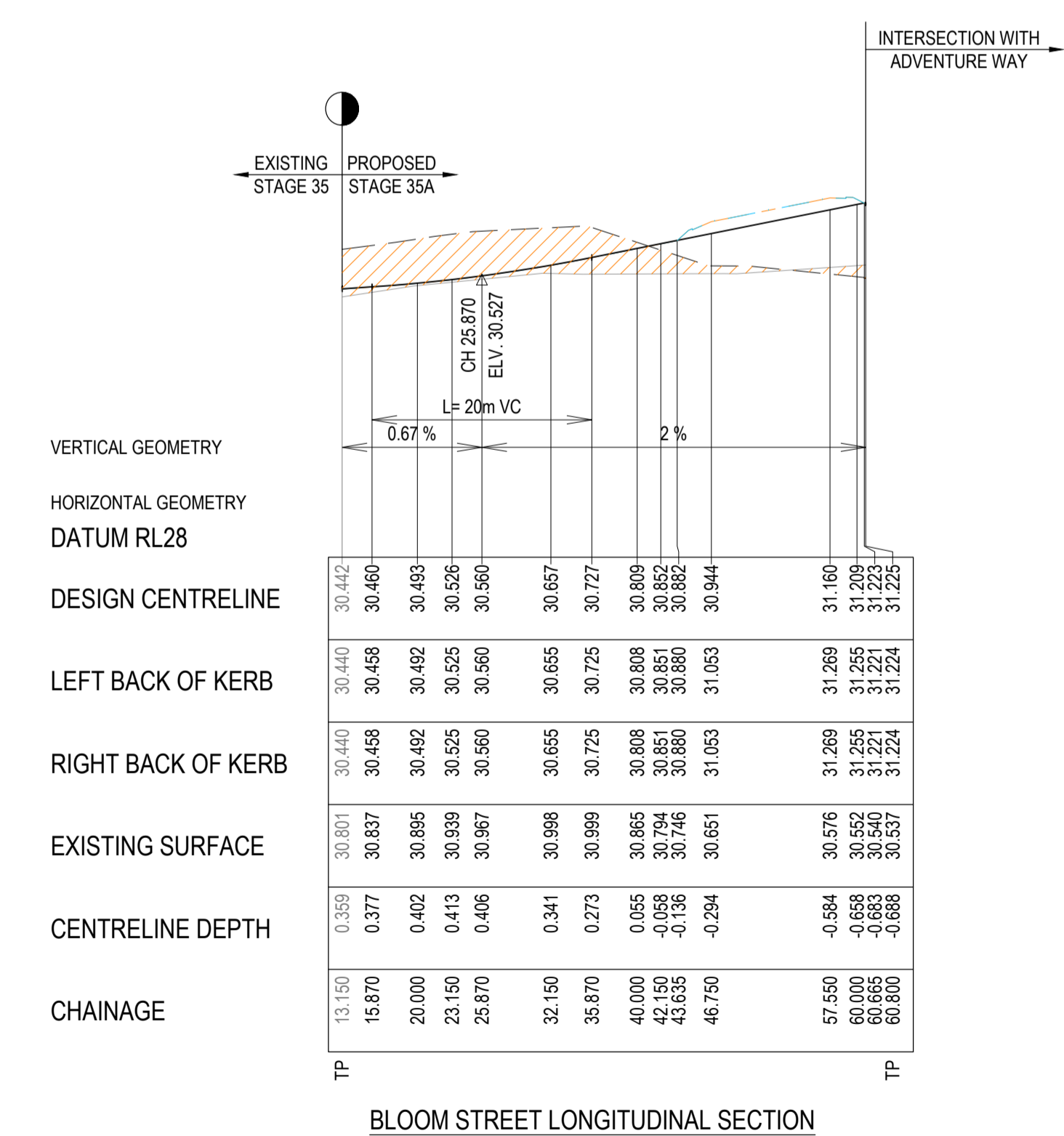
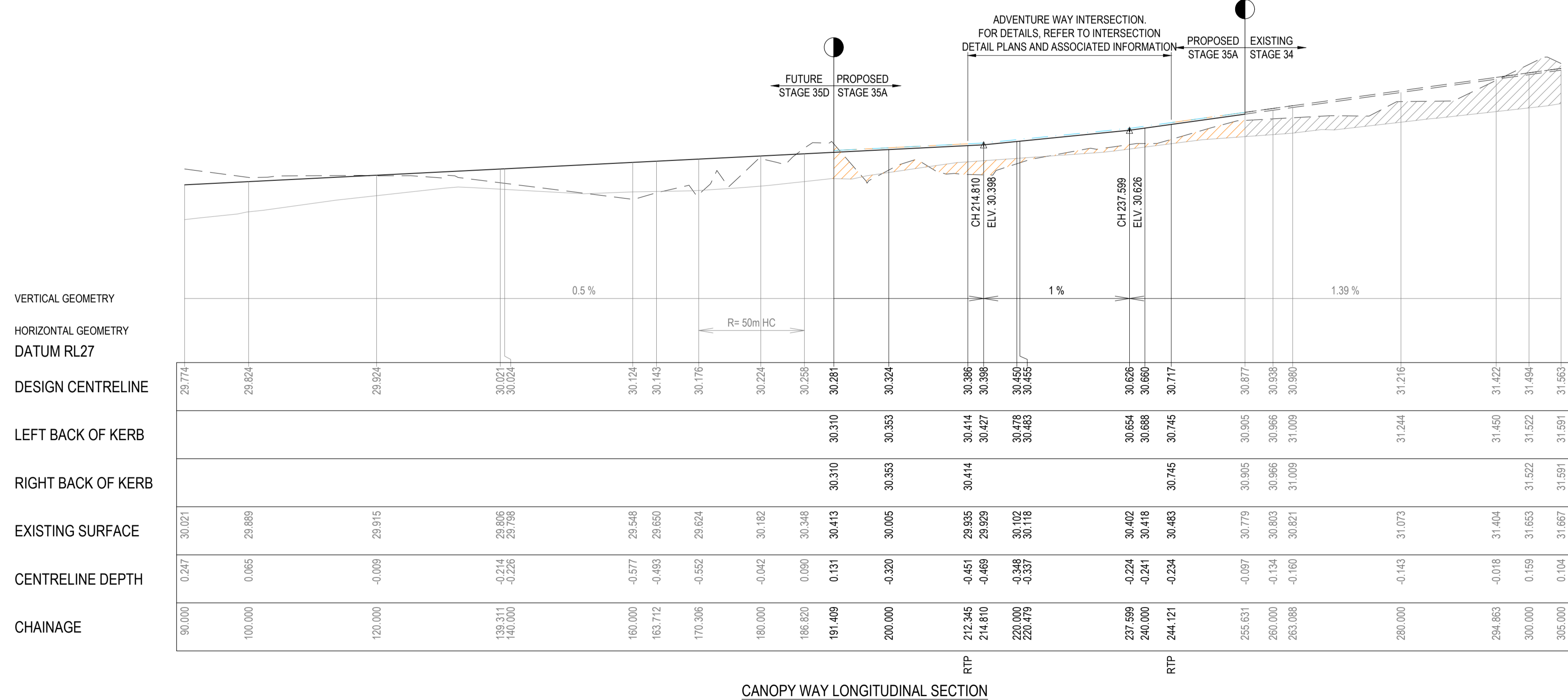
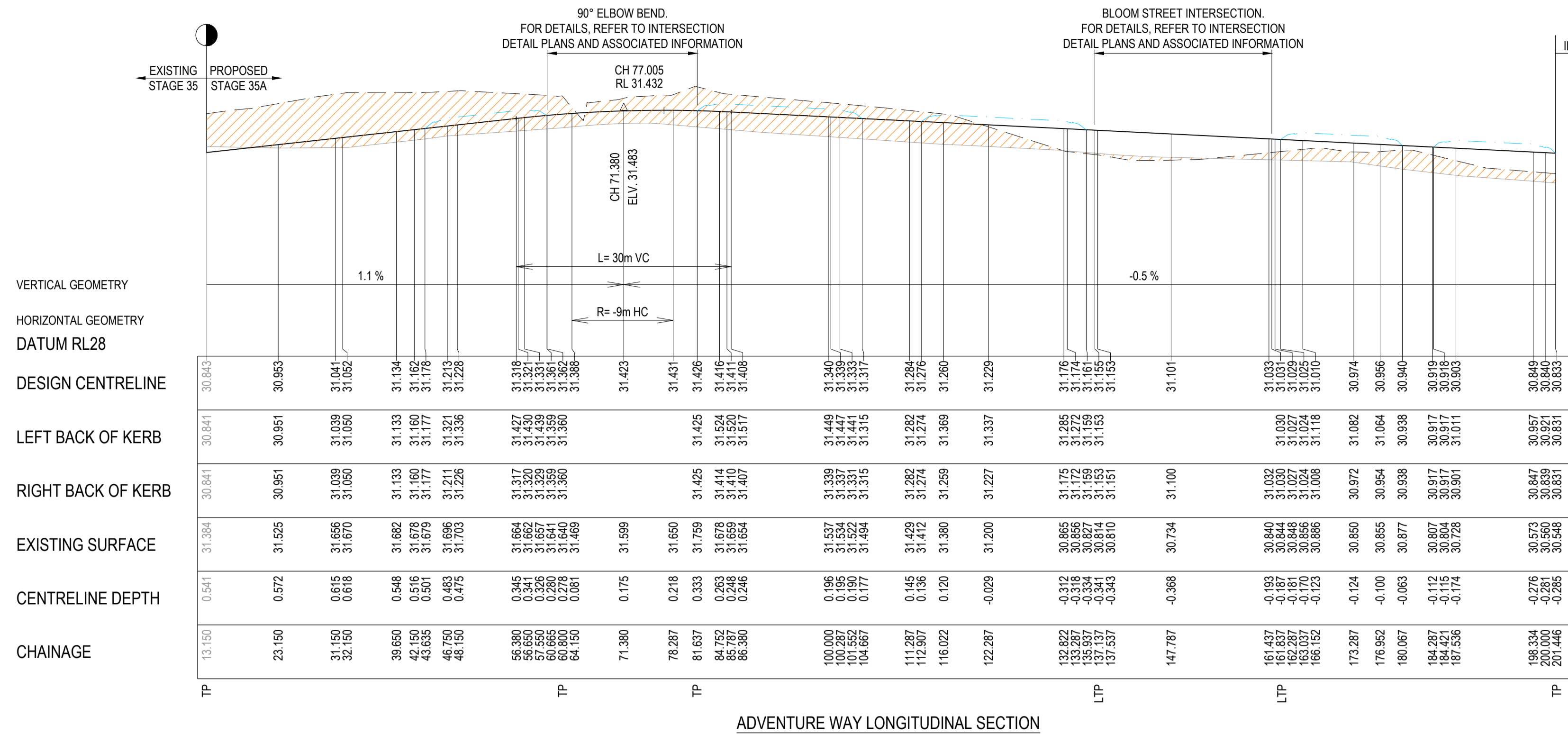
SCALE @ A1:
AS SHOWN

DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAY (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.35B	R301	B

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- LEFT BACK OF KERB
- RIGHT BACK OF KERB
- PREVIOUSLY PLACED CONTROLLED FILL

NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAJ	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAJ	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

DRAWING TITLE

ARMSTRONG - STAGE 35B
LONGITUDINAL SECTIONS

PLANNING PERMIT No: PP-496-2012

STATUS

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED

K.MCKELVIE

DRAWN

K.MCKELVIE

PROJECT No.

180016.35B

PROJECT ENGINEER

J.RAMSAJ (PE0015586)

PROJECT MANAGER

M.TROUNCE

DRAWING No.

R400

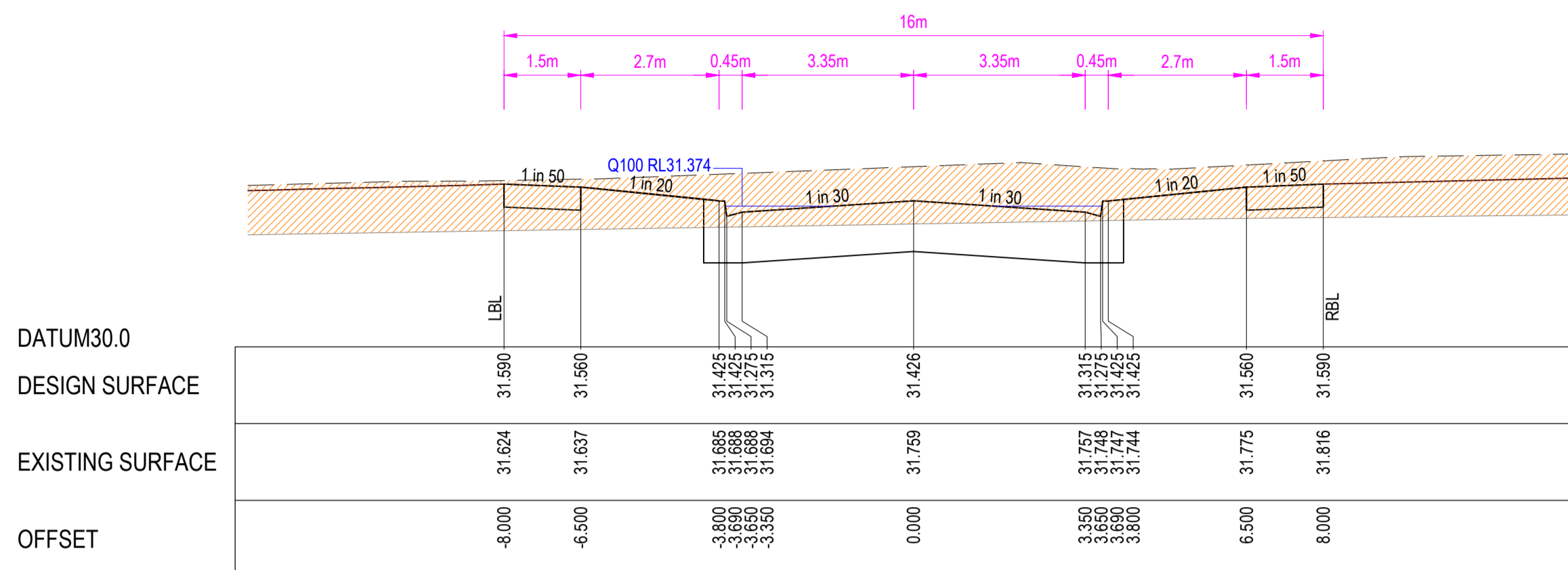
REVISION

B

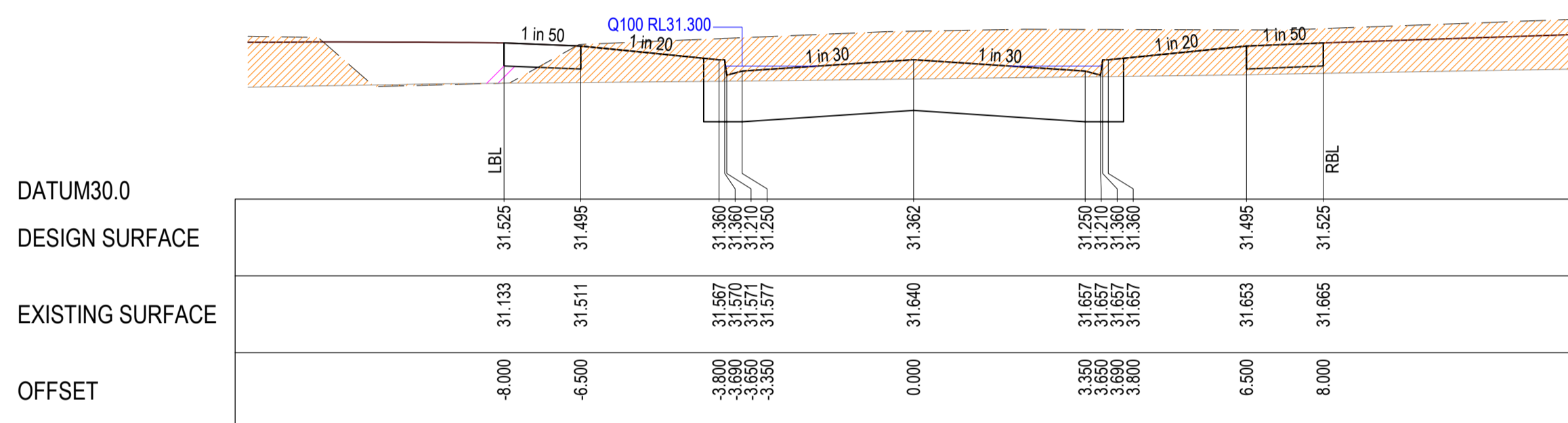
NOTE: THIS IS NOT A BUILDING APPROVAL

NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

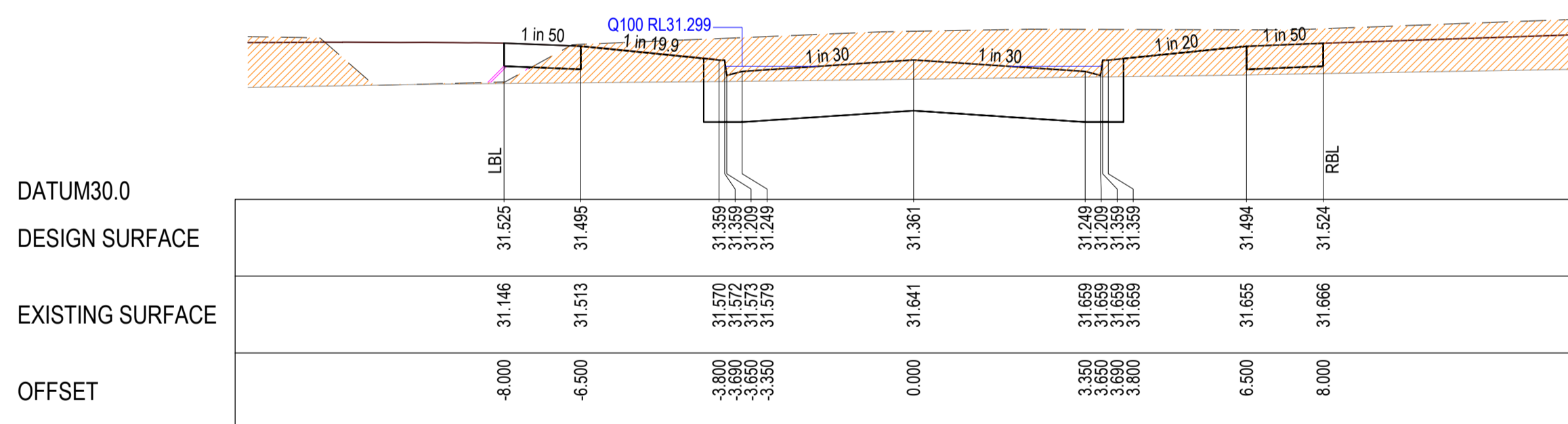
LEGEND	
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	DESIGN LINE
	SELECT FILL
	PREVIOUSLY PLACED CONTROLLED FILL
	Q100



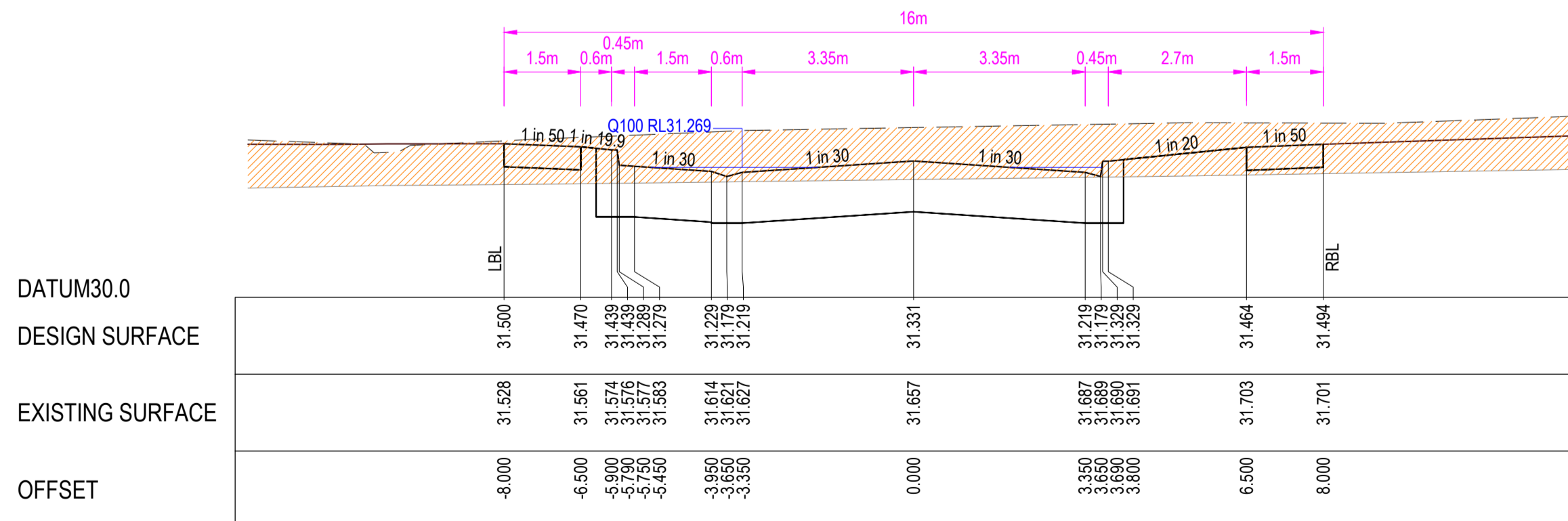
TPCH 81.637



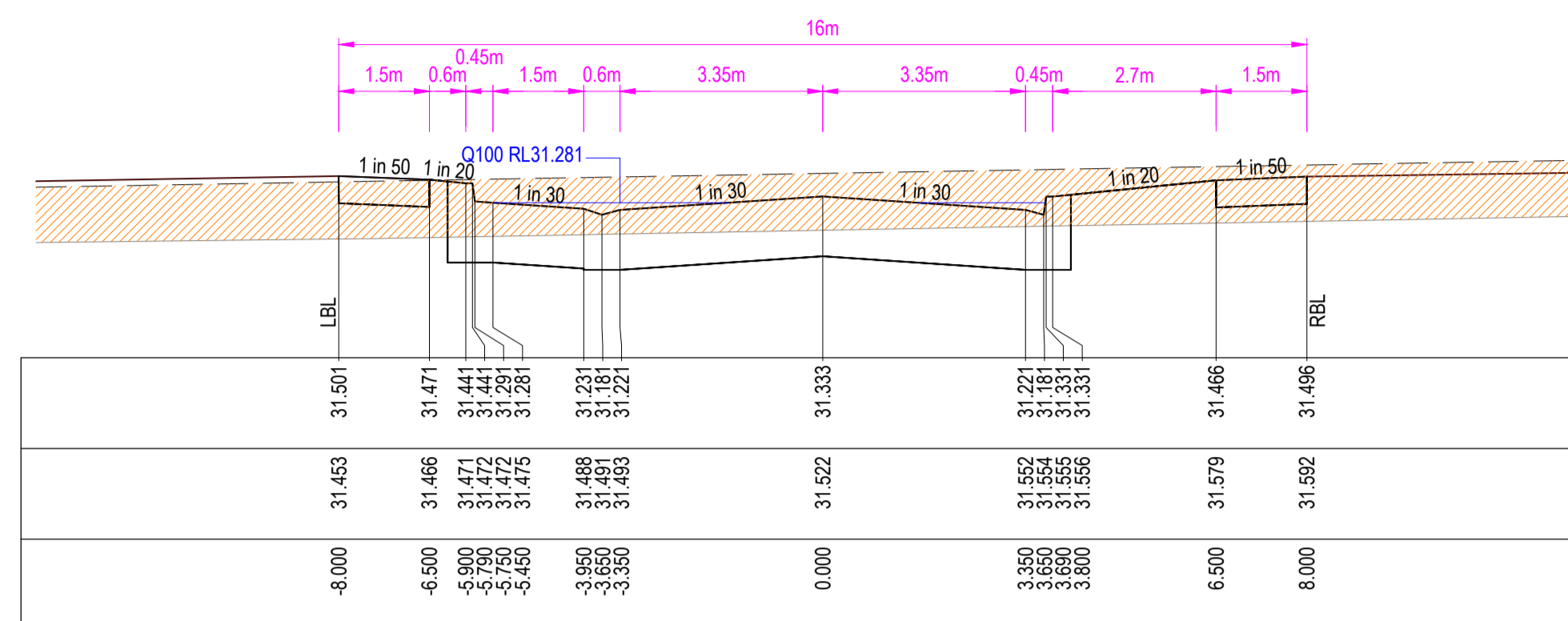
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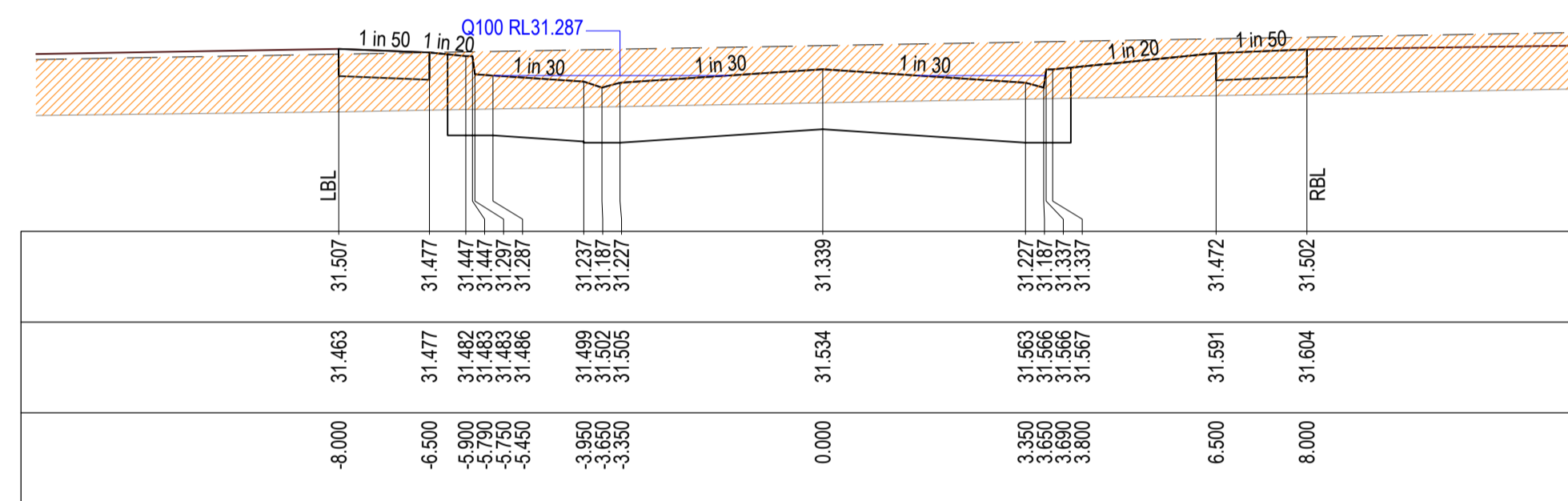
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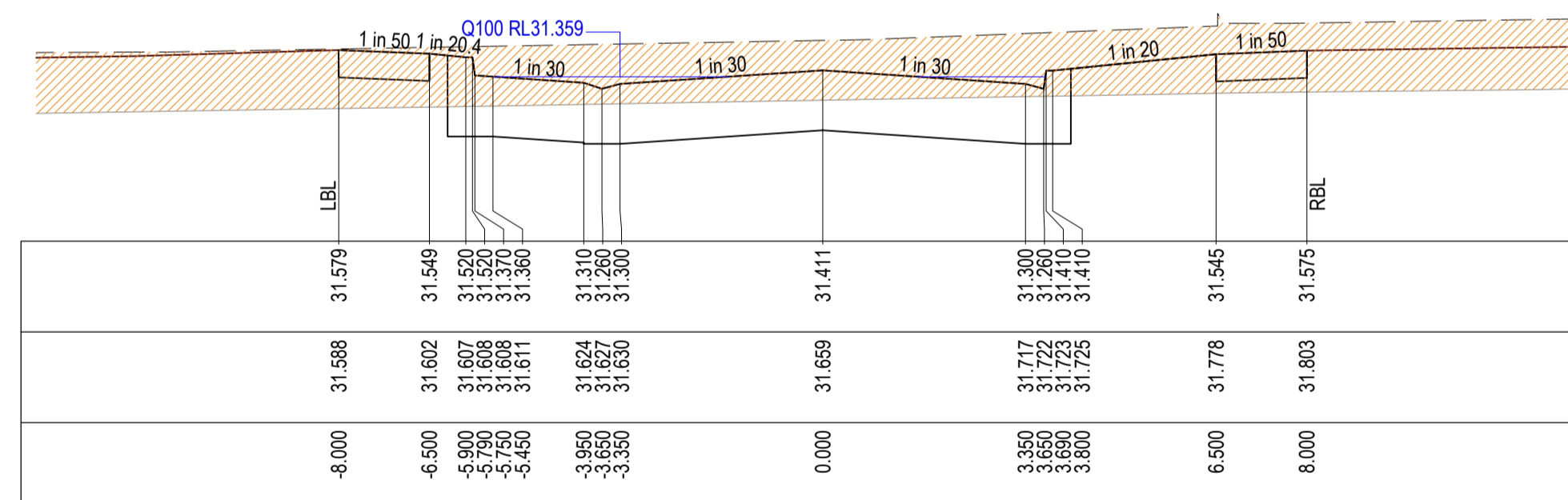
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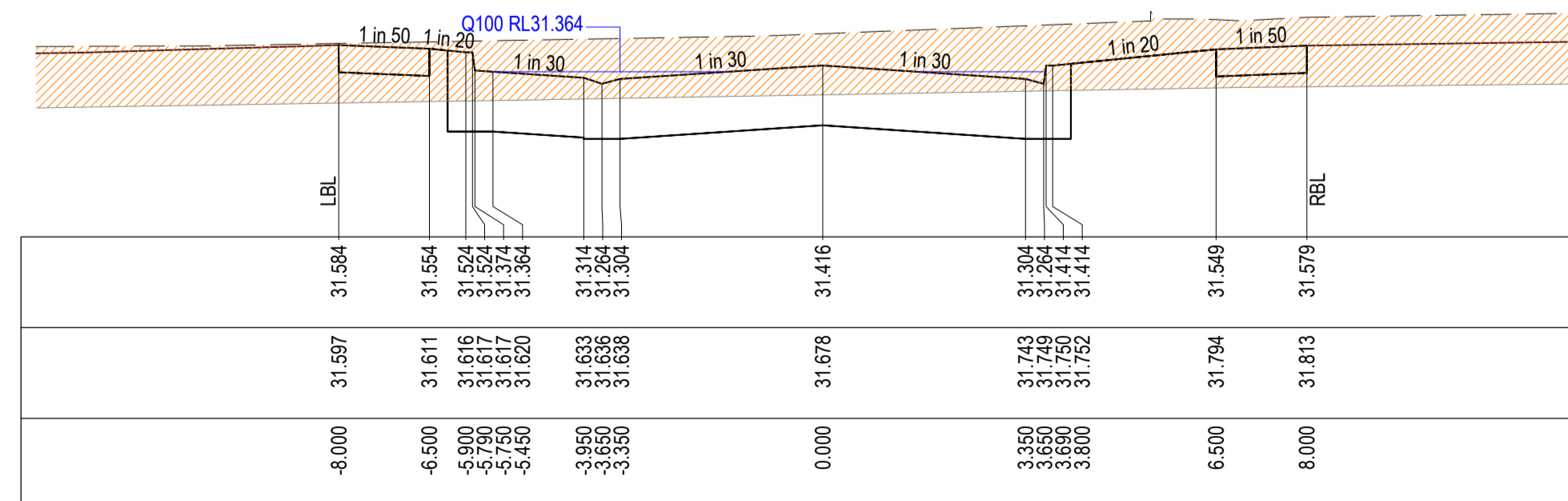
CH 101.552



CH 100.287



CH 85.787



CH 84.752

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

CLIENT

Communities Designed for Living

Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ARMSTRONG - STAGE 35B
 ROAD CROSS SECTIONS - 02
 ADVENTURE WAY**

PLANNING PERMIT No: PP-496-2012

STATUS

**ISSUED FOR APPROVAL
 NOT FOR CONSTRUCTION**

SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAY (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.35B	R501	B

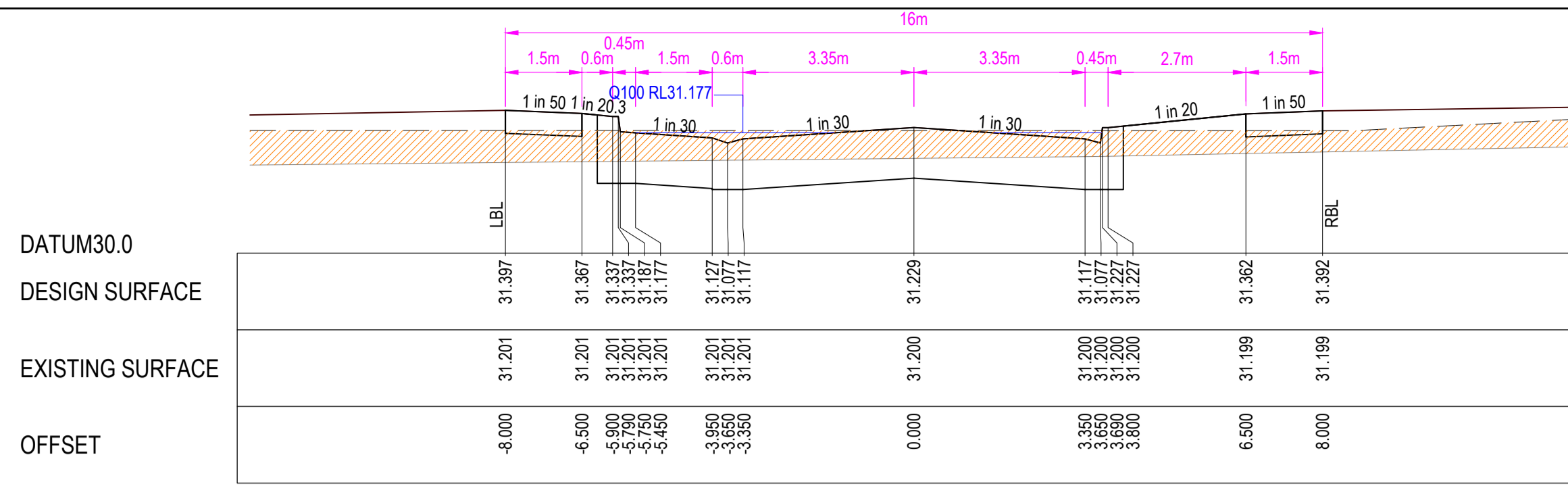
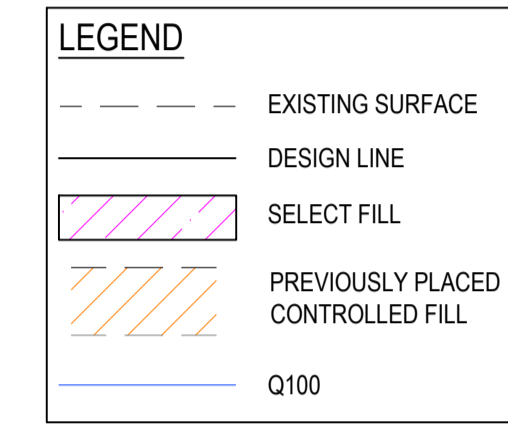
P:\2018\18016 - VILLAWOOD - ARMSTRONG STAGE 35B\18016_35B - ROAD CROSS SECTIONS.DWG

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL
GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

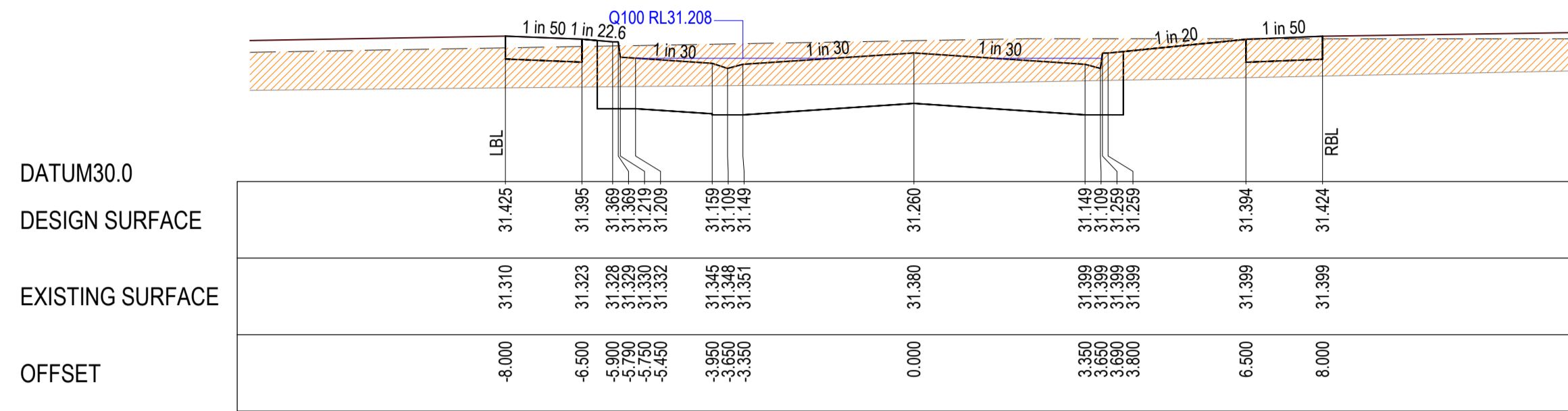
Endorsed Plan
 Planning Permit No: PP-496-2012/H
 Certification No: 16351
 Sheet 10 of 19
 Approved By Matthew Kirtley
 Approved Date 23/01/2025

NOTE: THIS IS NOT A BUILDING APPROVAL.

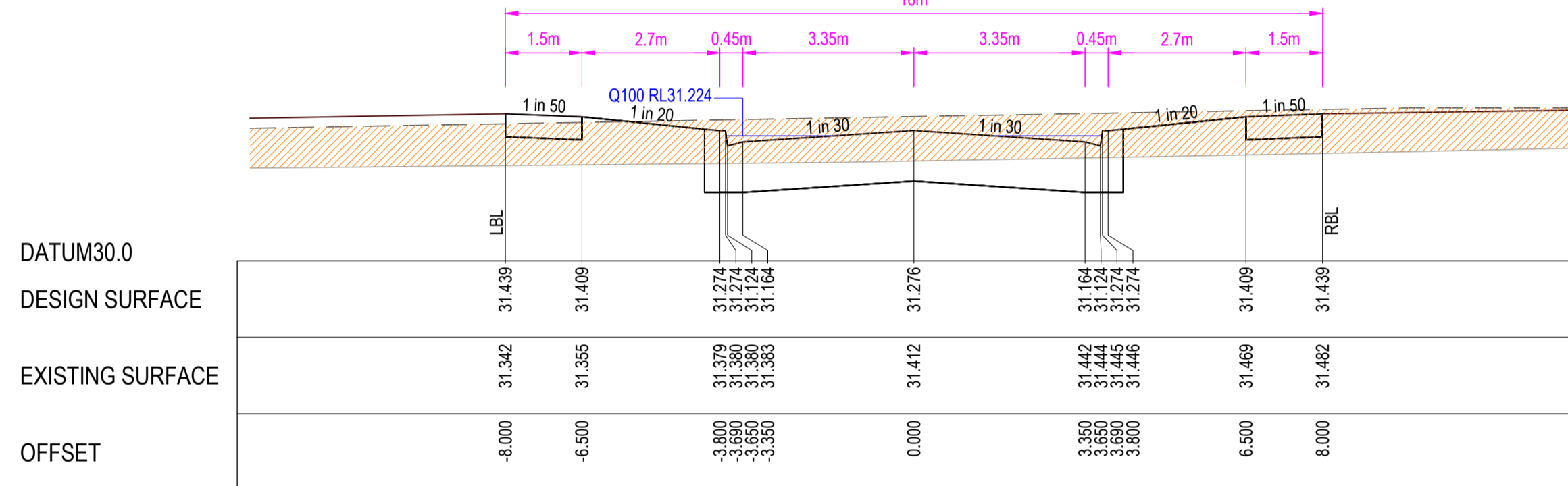
NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES



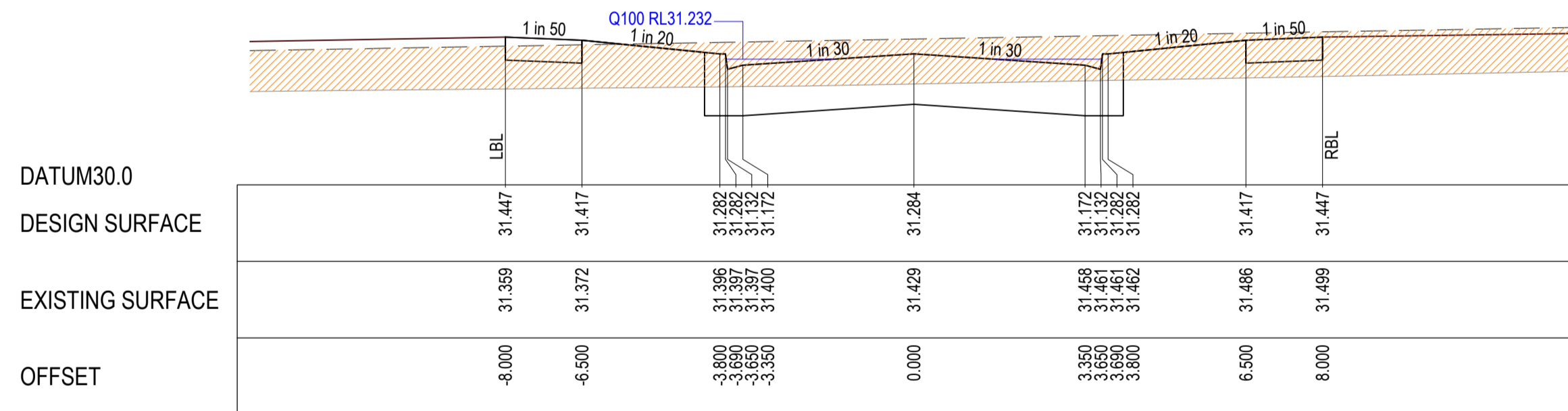
CH 122.287



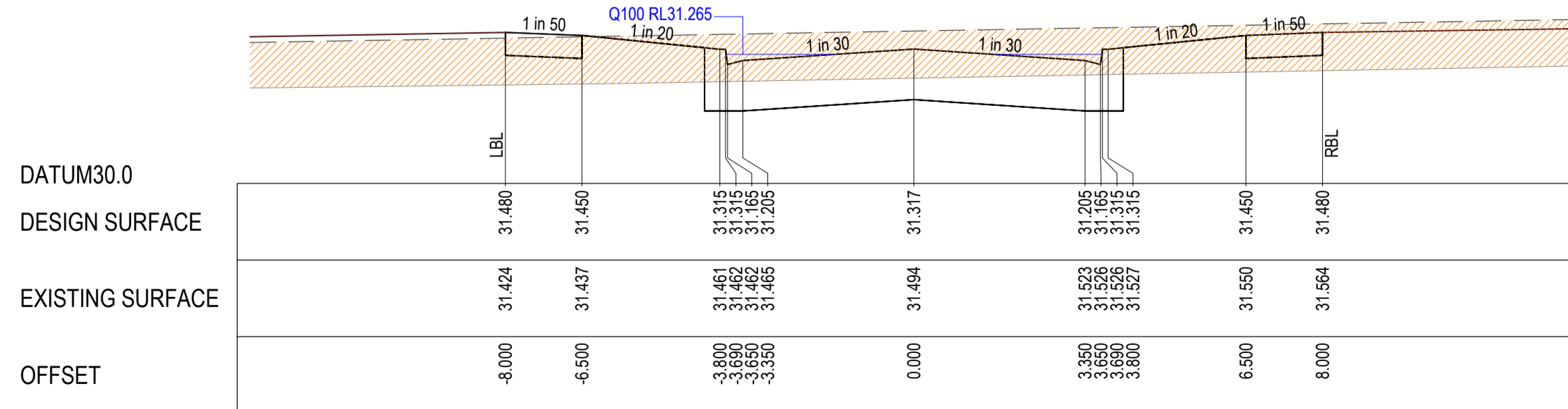
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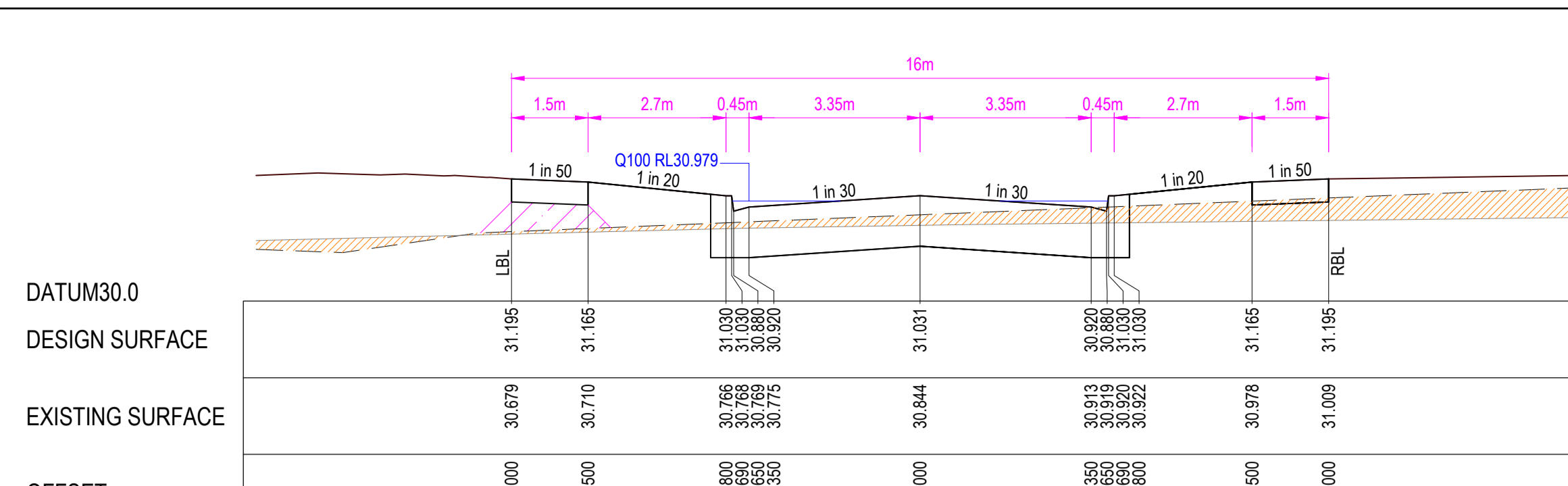
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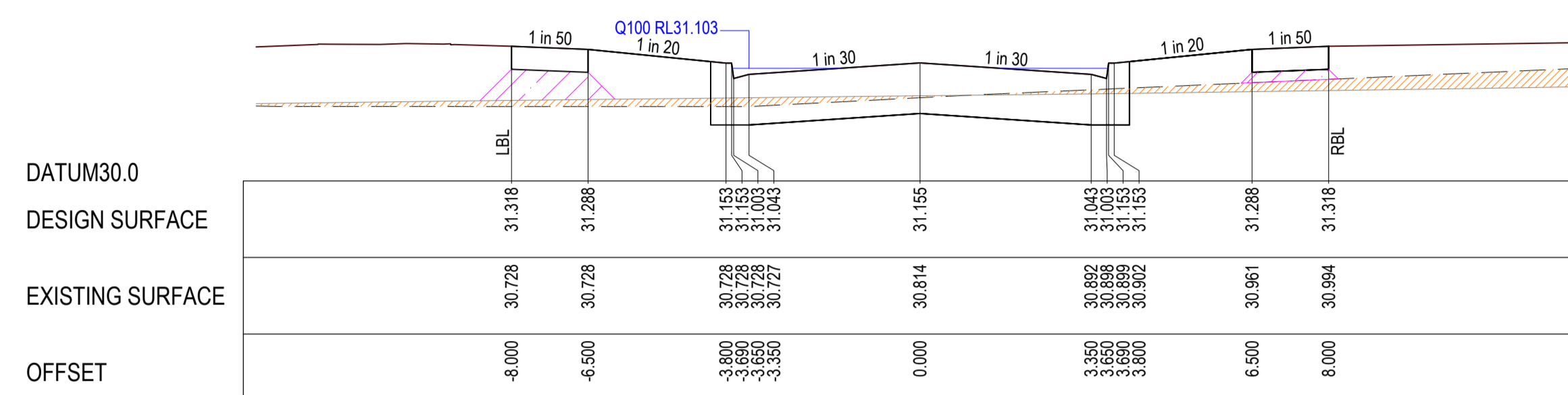
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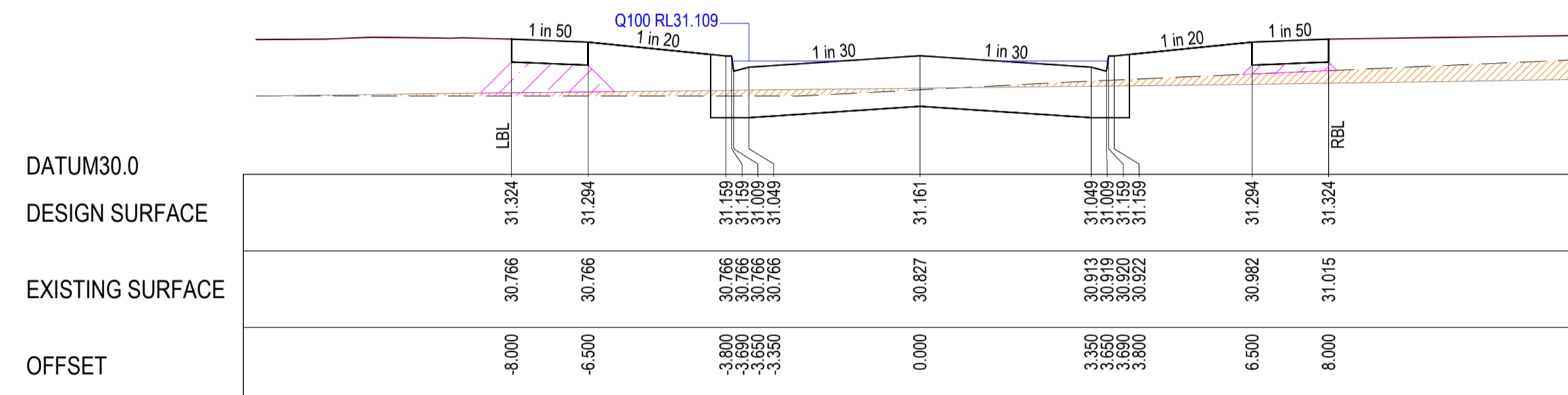
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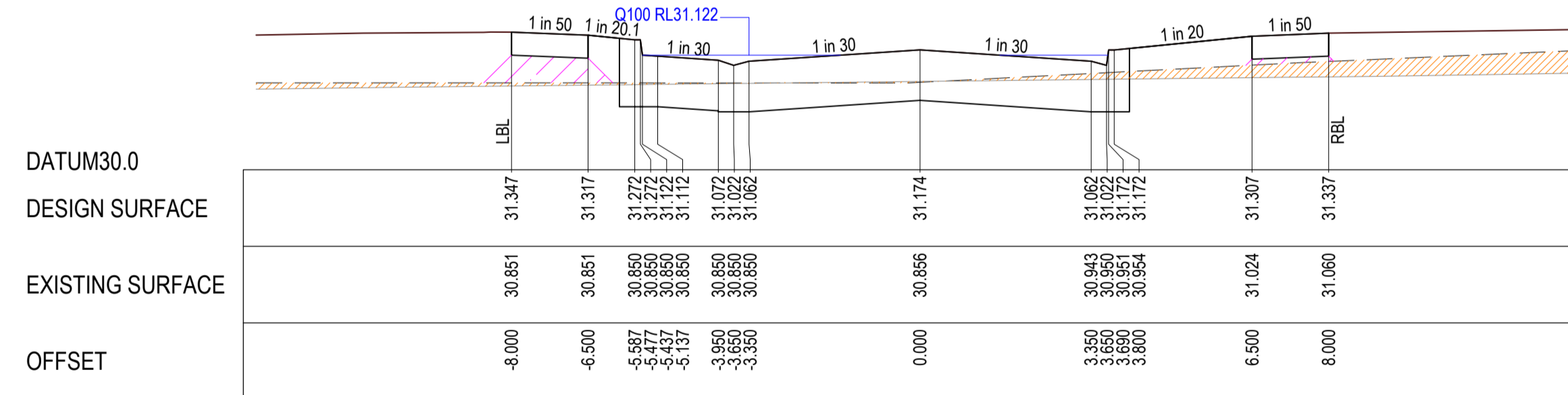
LTPCH 161.837



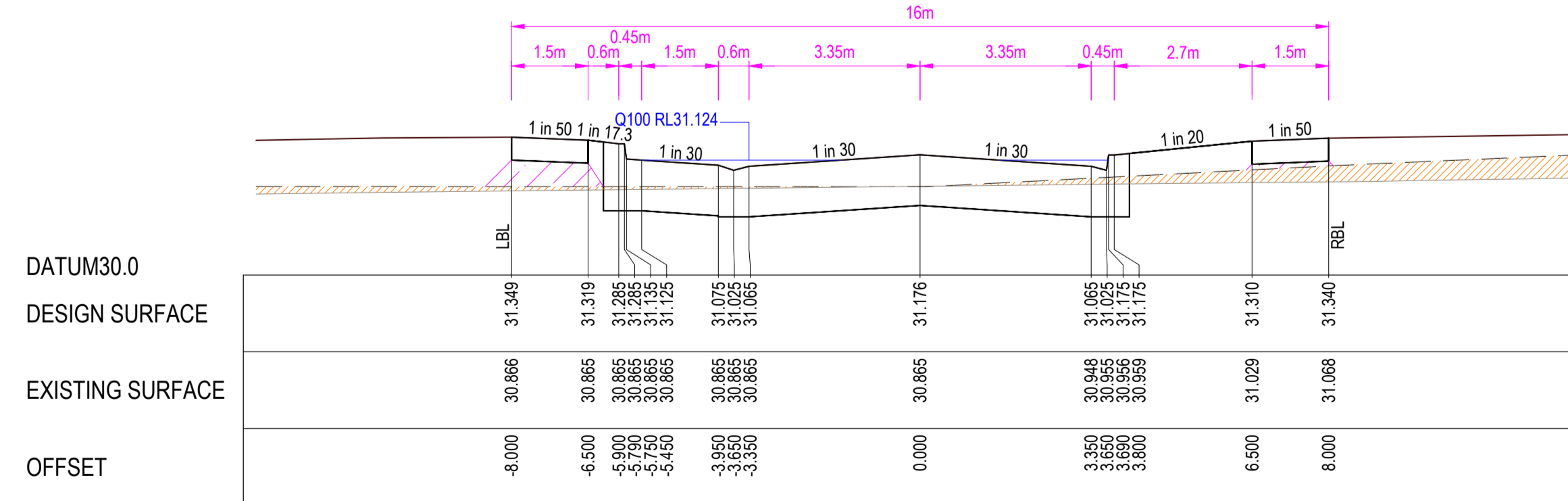
LTPCH 137.137



CH 135.937



CH 133.287



CH 132.822

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE



Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220



ARMSTRONG - STAGE 35B
ROAD CROSS SECTIONS - 03
ADVENTURE WAY

PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

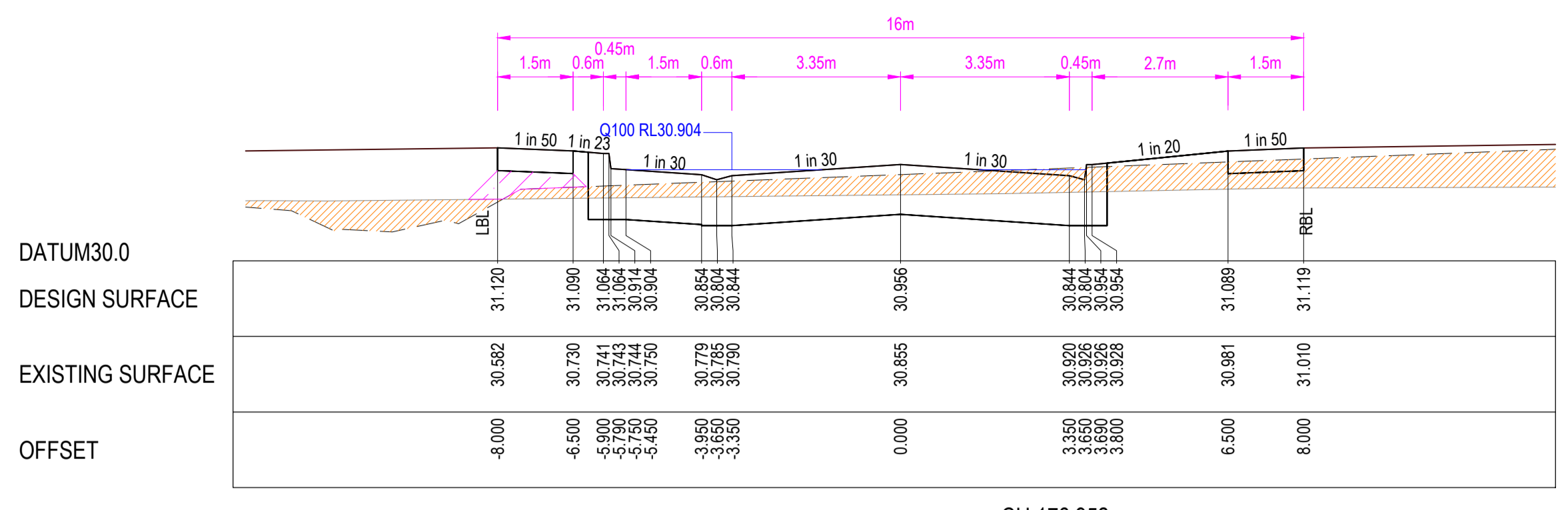
SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	K.MCKELVIE	PROJECT ENGINEER	J.RAMSAY (PE0015586)
DRAWN	K.MCKELVIE	PROJECT MANAGER	M.TROUNCE
PROJECT No.	180016.35B	DRAWING No.	R502
REVISION			B

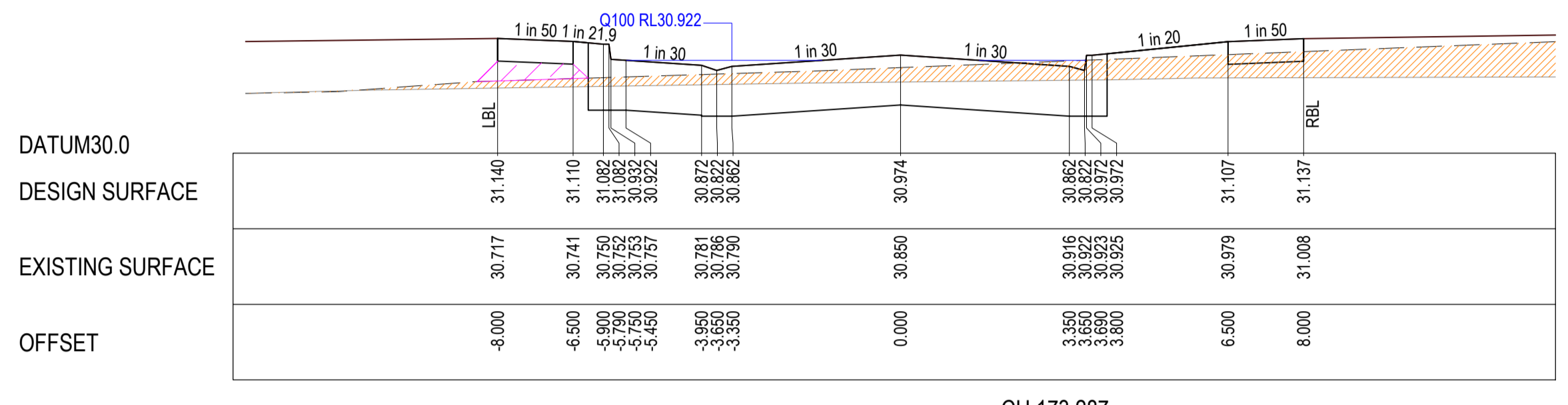
NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

LEGEND

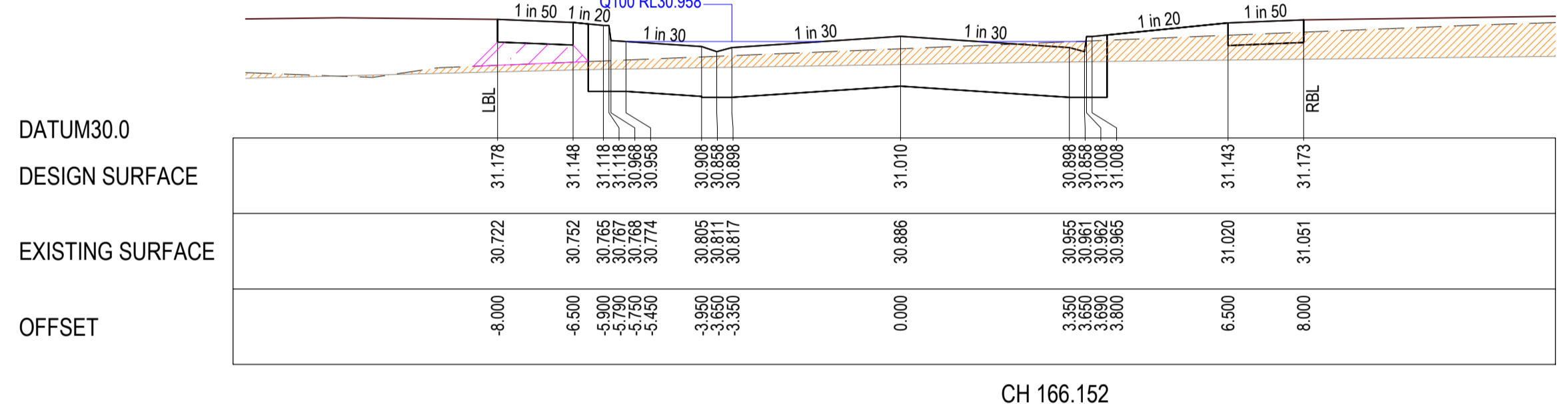
- EXISTING SURFACE
- DESIGN LINE
- SELECT FILL
- PREVIOUSLY PLACED CONTROLLED FILL
- Q100



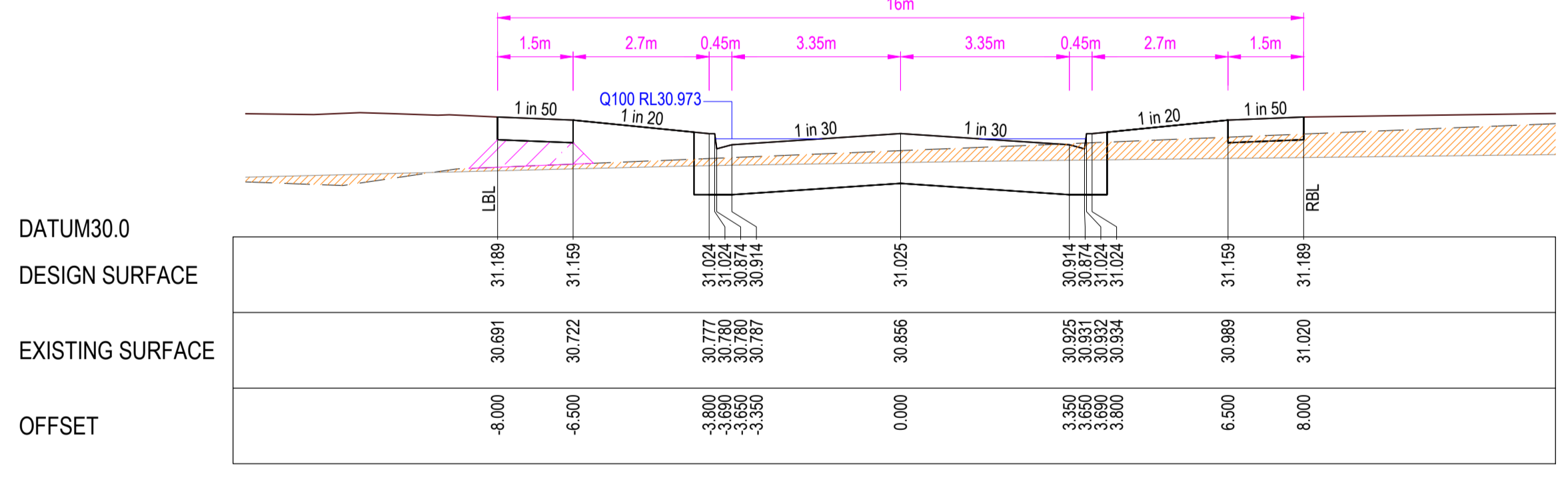
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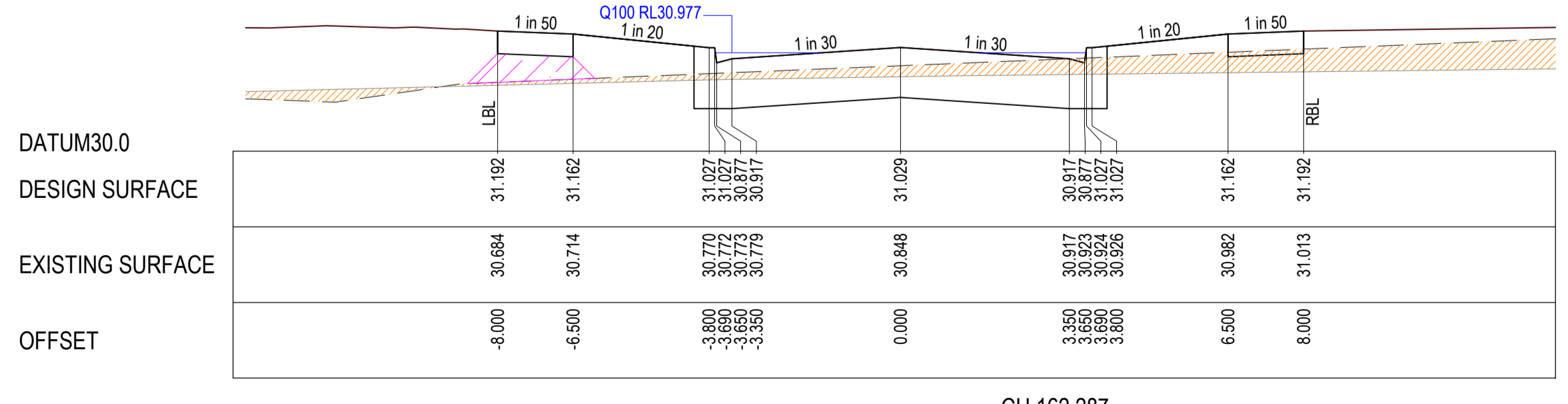
CH 173.287



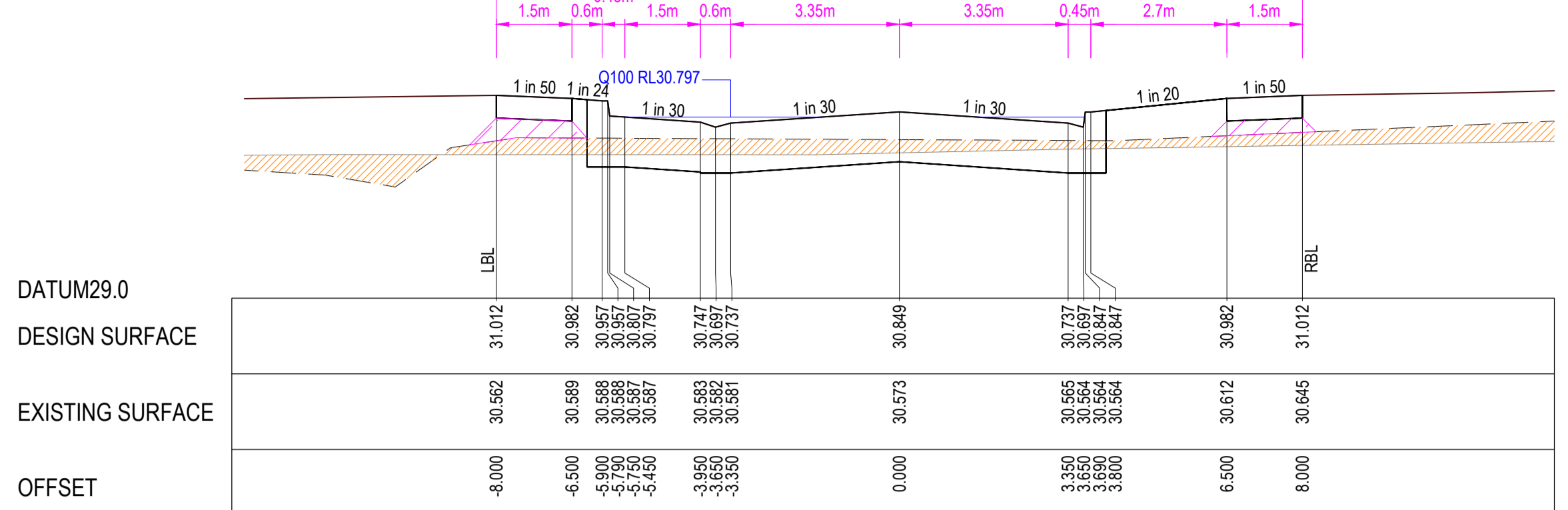
CH 166.152



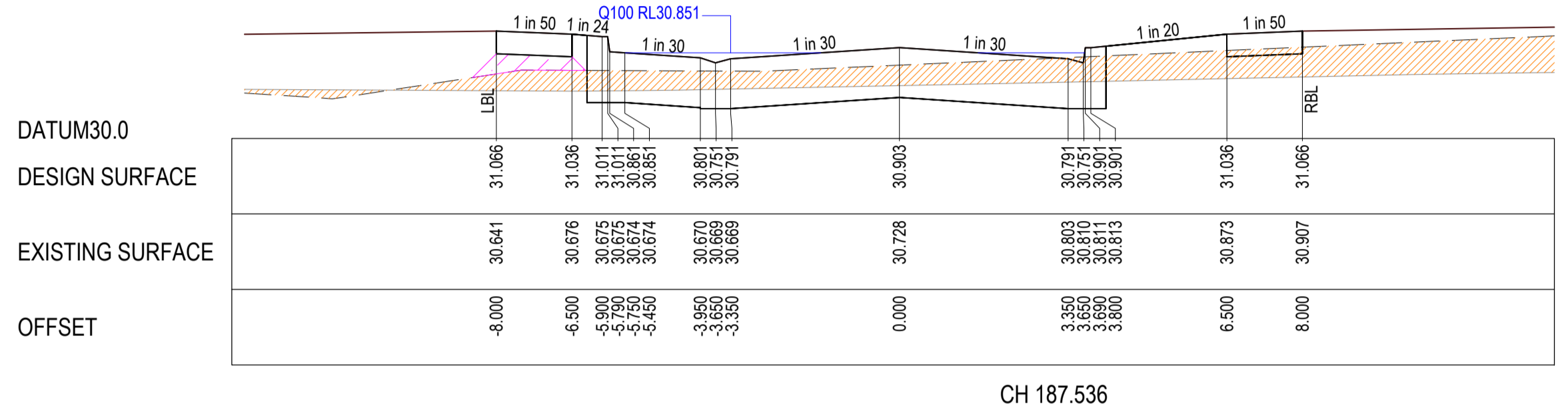
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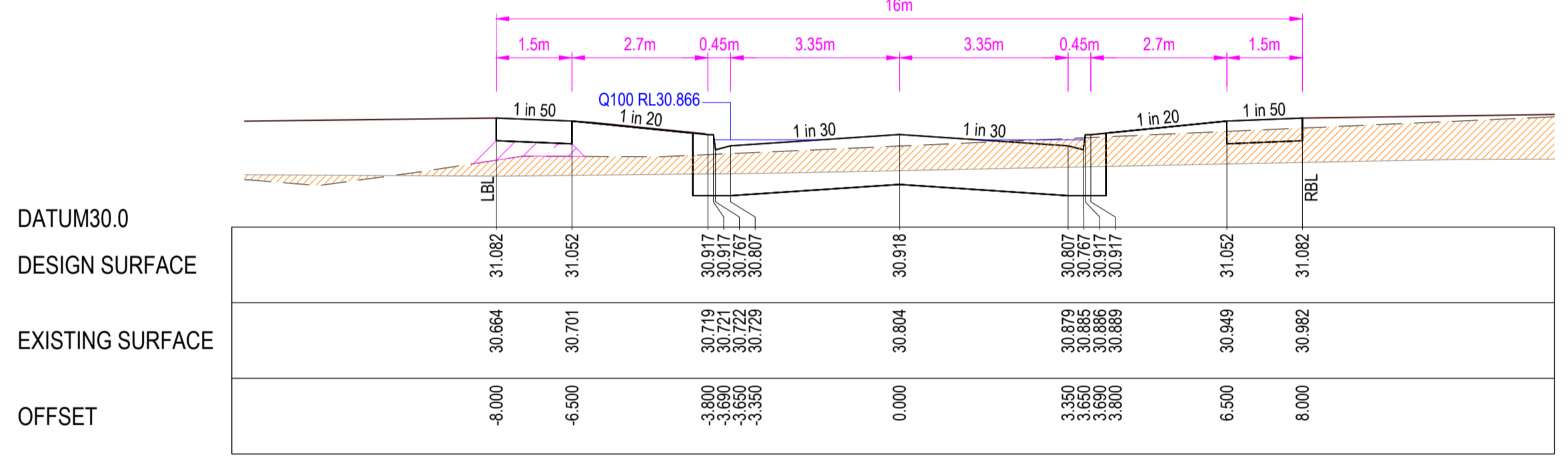
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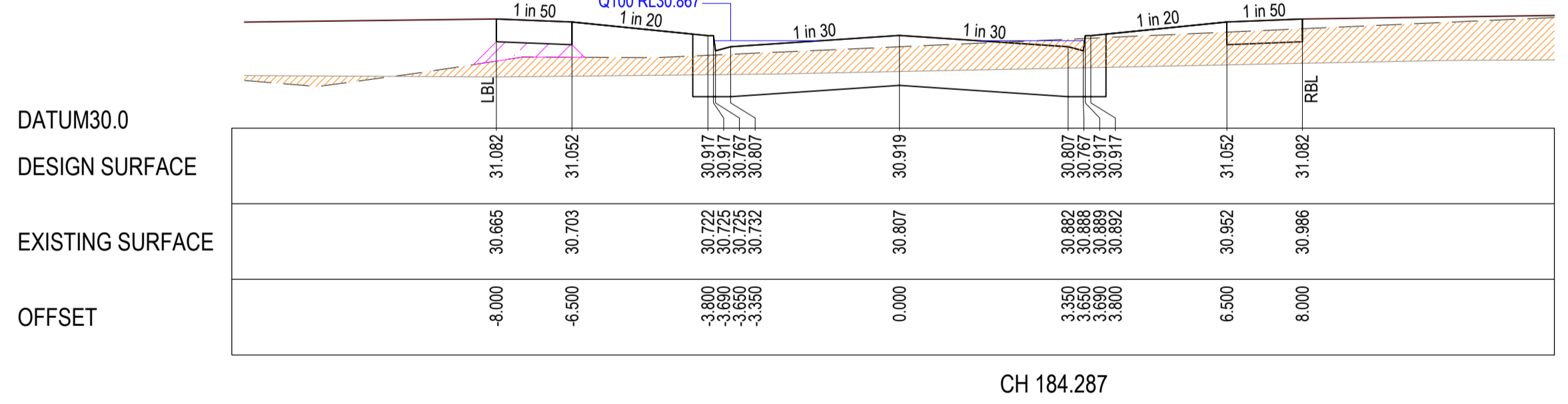
CH 198.334



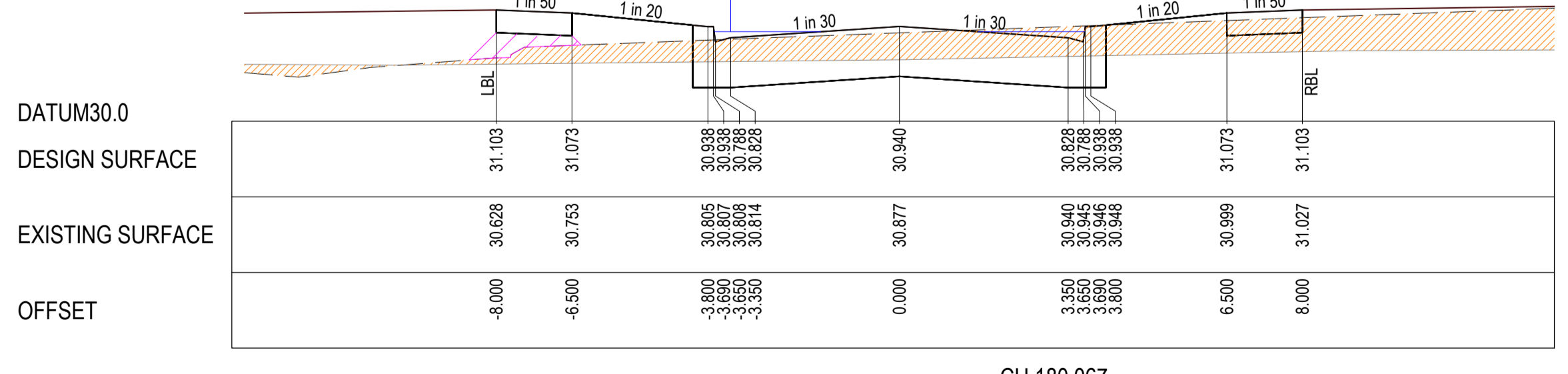
CH 187.536



CH 184.421



CH 184.287



CH 180.067

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

CLIENT

Communities Designed for Living

Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

PROJECT

ARMSTRONG - STAGE 35B
 ROAD CROSS SECTIONS - 04
 ADVENTURE WAY

PLANNING PERMIT No: PP-496-2012

DRAWING TITLE

ARMSTRONG - STAGE 35B
 ROAD CROSS SECTIONS - 04
 ADVENTURE WAY

PLANNING PERMIT No: PP-496-2012

STATUS

**ISSUED FOR APPROVAL
 NOT FOR CONSTRUCTION**

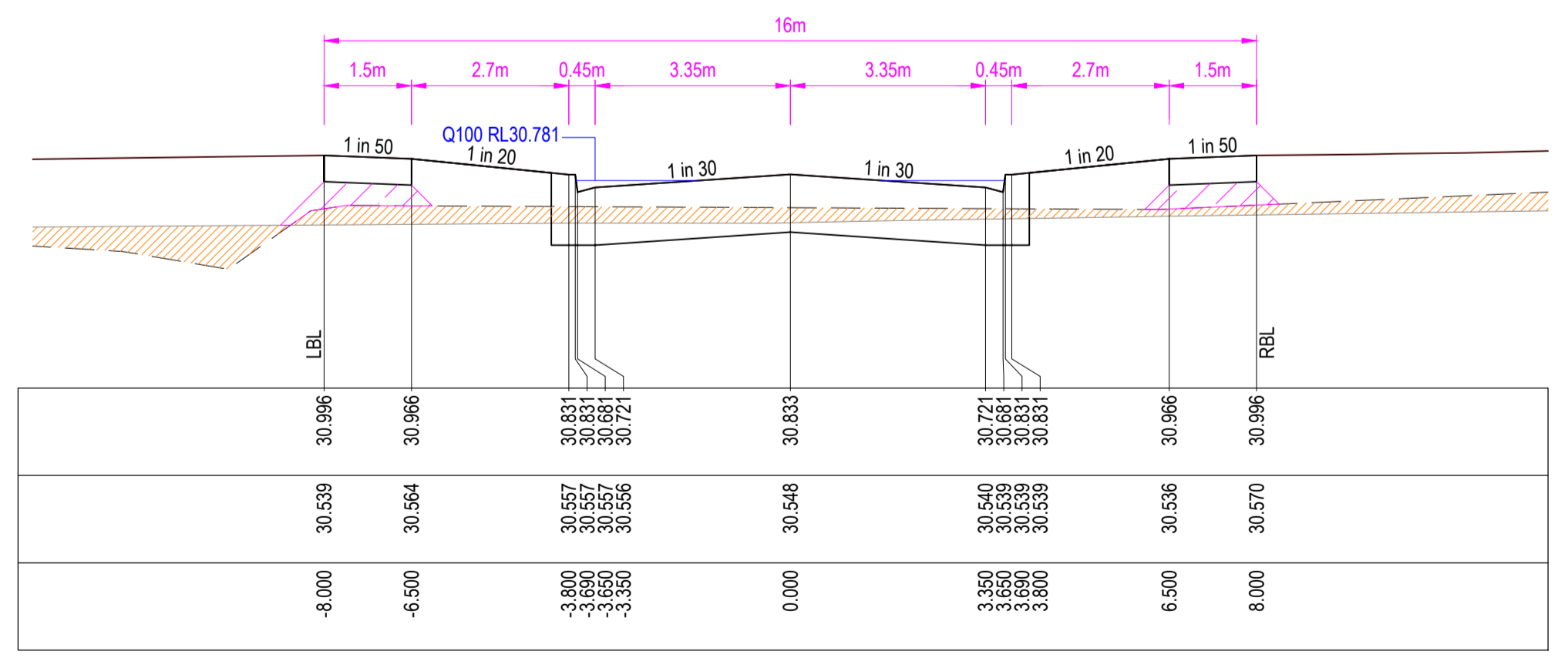
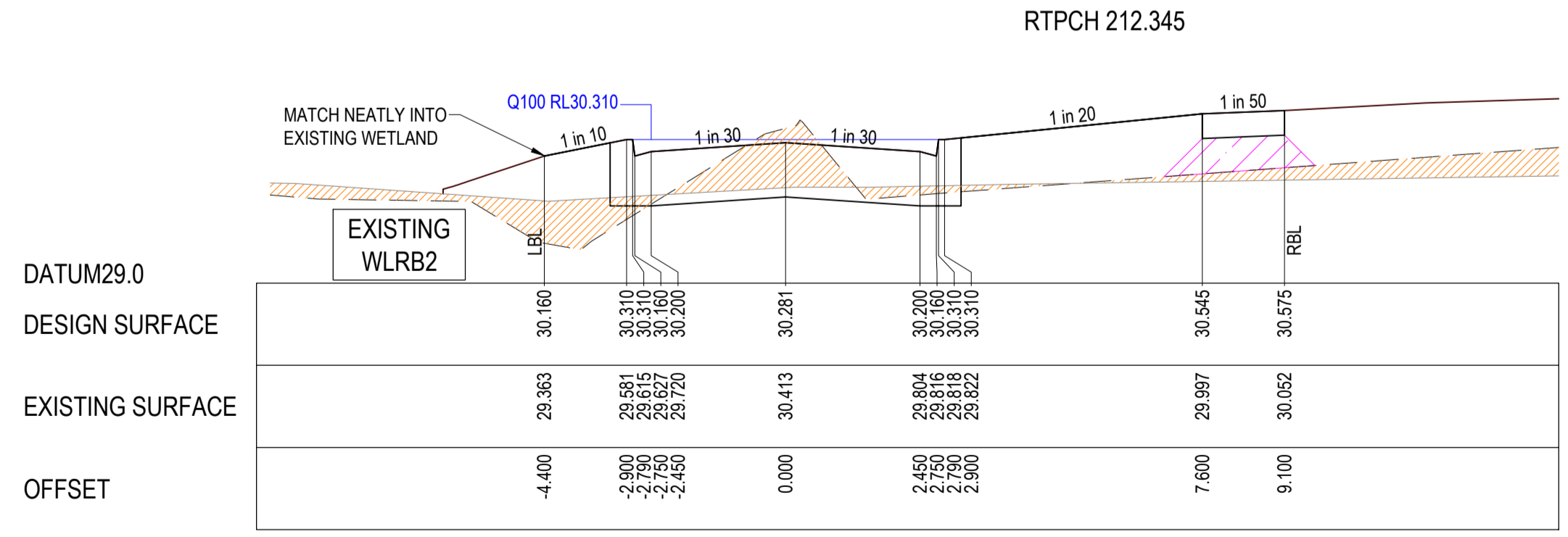
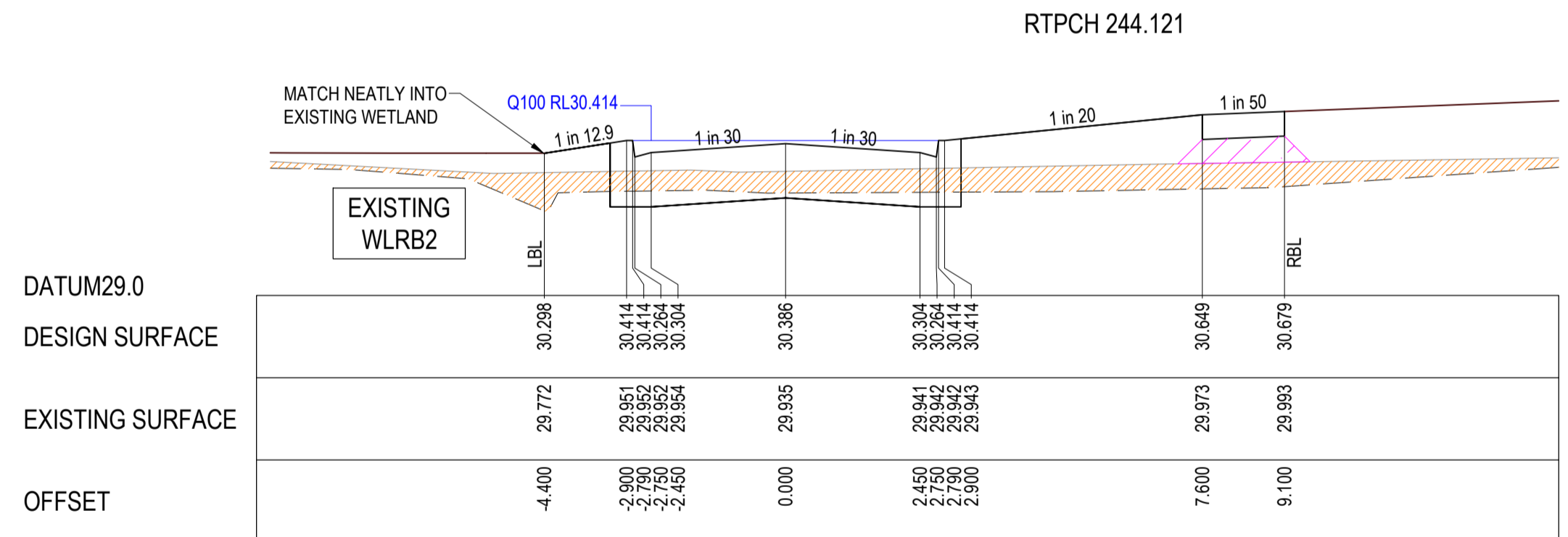
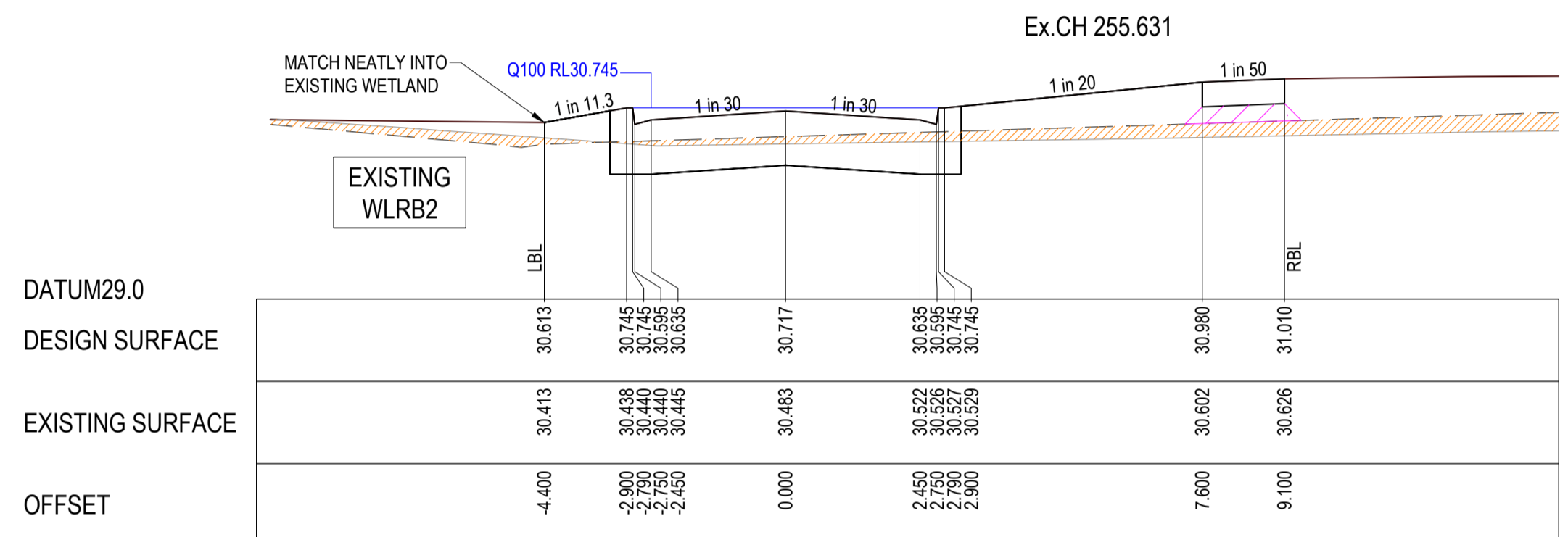
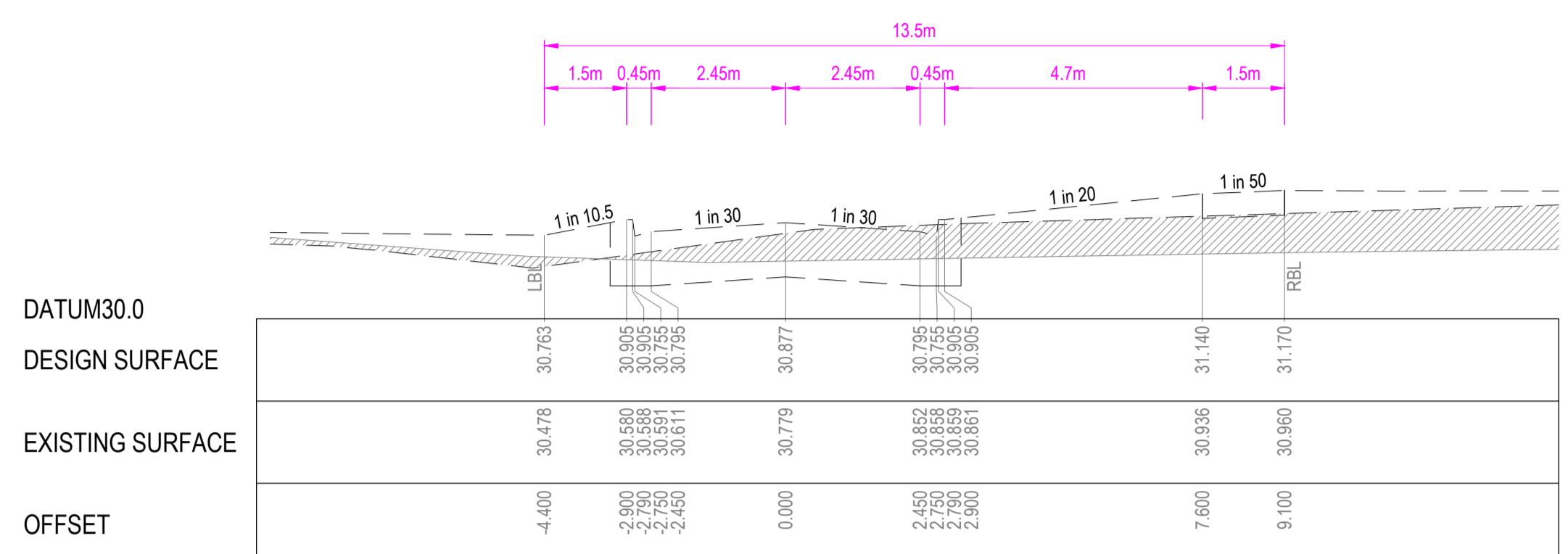
SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	K.MCKELVIE		PROJECT ENGINEER	J.RAMSAY (PE0015586)	
DRAWN	K.MCKELVIE		PROJECT MANAGER	M.TROUNCE	
PROJECT No.	180016.35B		DRAWING No.	R503	
REVISION	B				

NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- [Hatched Box] SELECT FILL
- [Diagonal Hatched Box] PREVIOUSLY PLACED CONTROLLED FILL
- Q100



ADVENTURE WAY

CANOPY WAY

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

villawood properties
 Communities Designed for Living

creo CIVIL

Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

ARMSTRONG
 NOT DUNEED

ARMSTRONG - STAGE 35B
ROAD CROSS SECTIONS - 05
ADVENTURE WAY & CANOPY WAY

PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

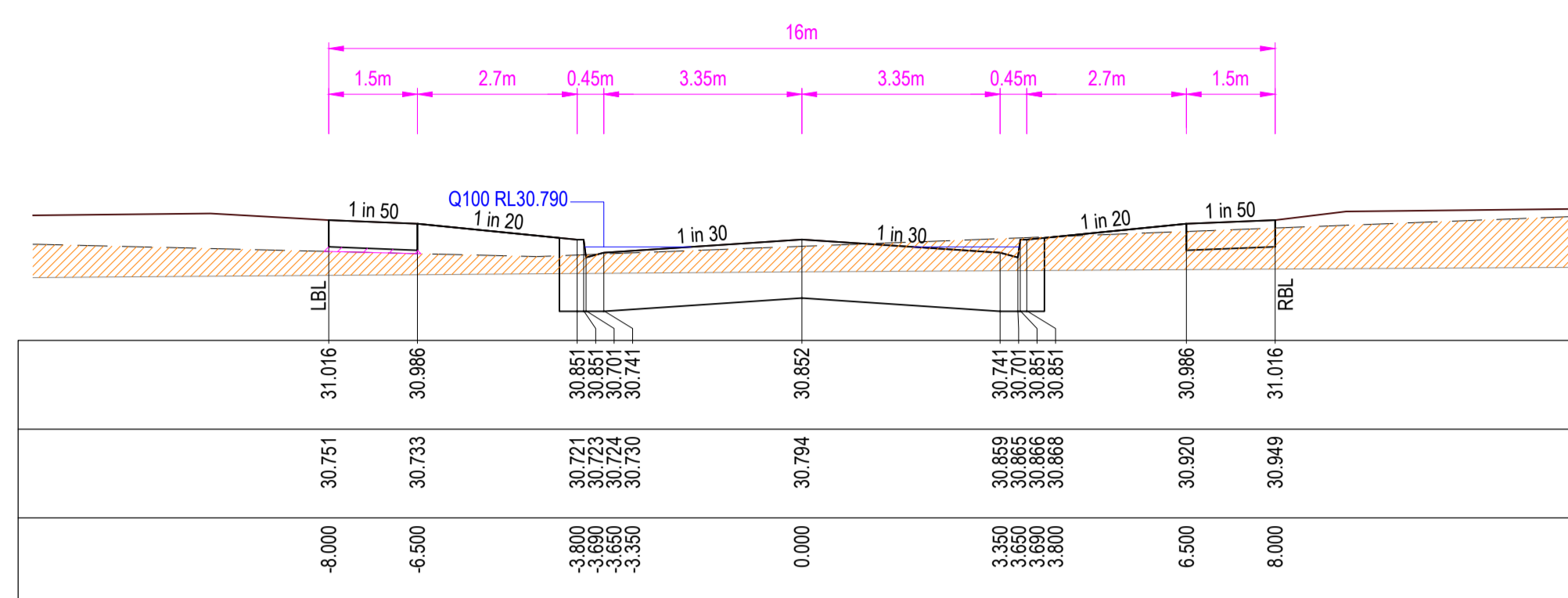
SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	K.MCKELVIE	PROJECT ENGINEER	J.RAMSAY (PE0015586)
DRAWN	K.MCKELVIE	PROJECT MANAGER	M.TROUNCE
PROJECT No.	180016.35B	DRAWING No.	R504
		REVISION	B

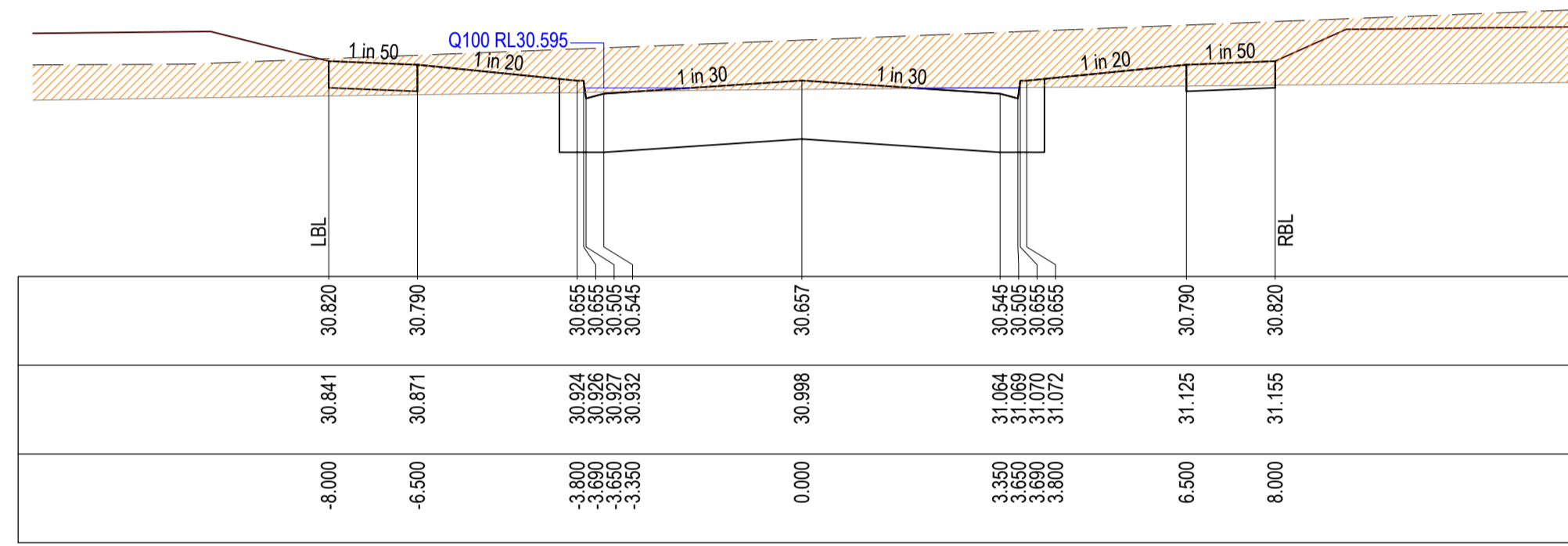
NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

LEGEND

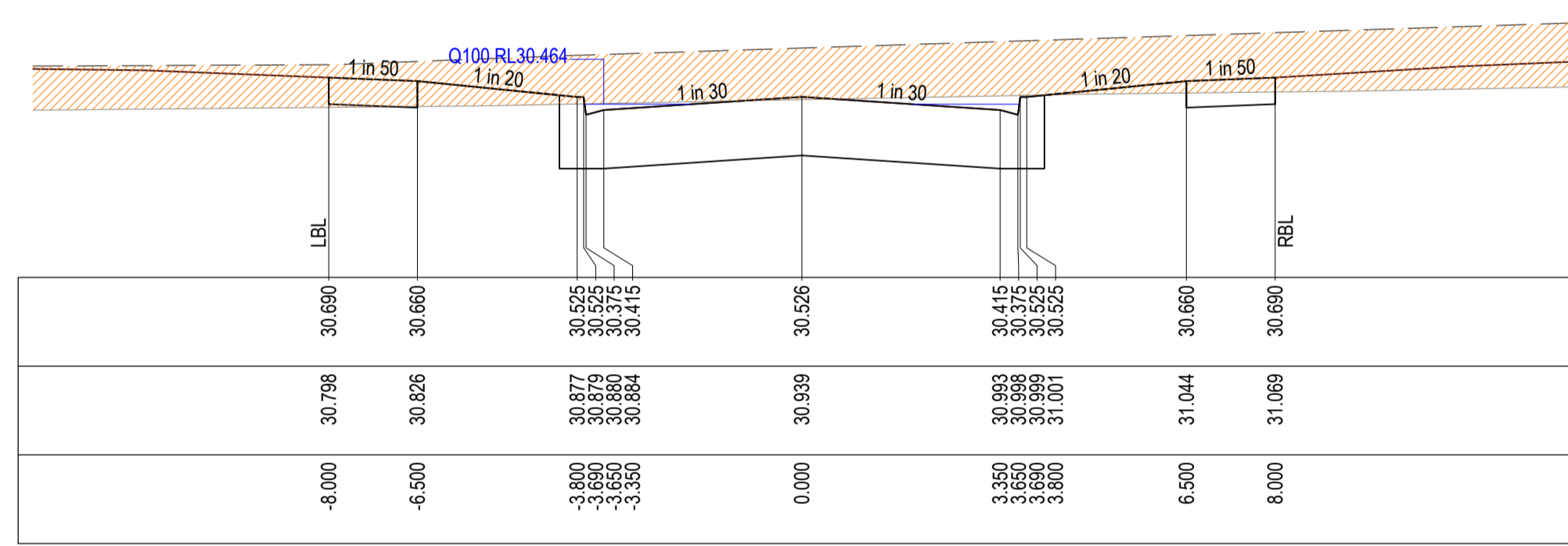
- - - - - EXISTING SURFACE
- DESIGN LINE
- ▨ SELECT FILL
- ▨ PREVIOUSLY PLACED CONTROLLED FILL
- Q100



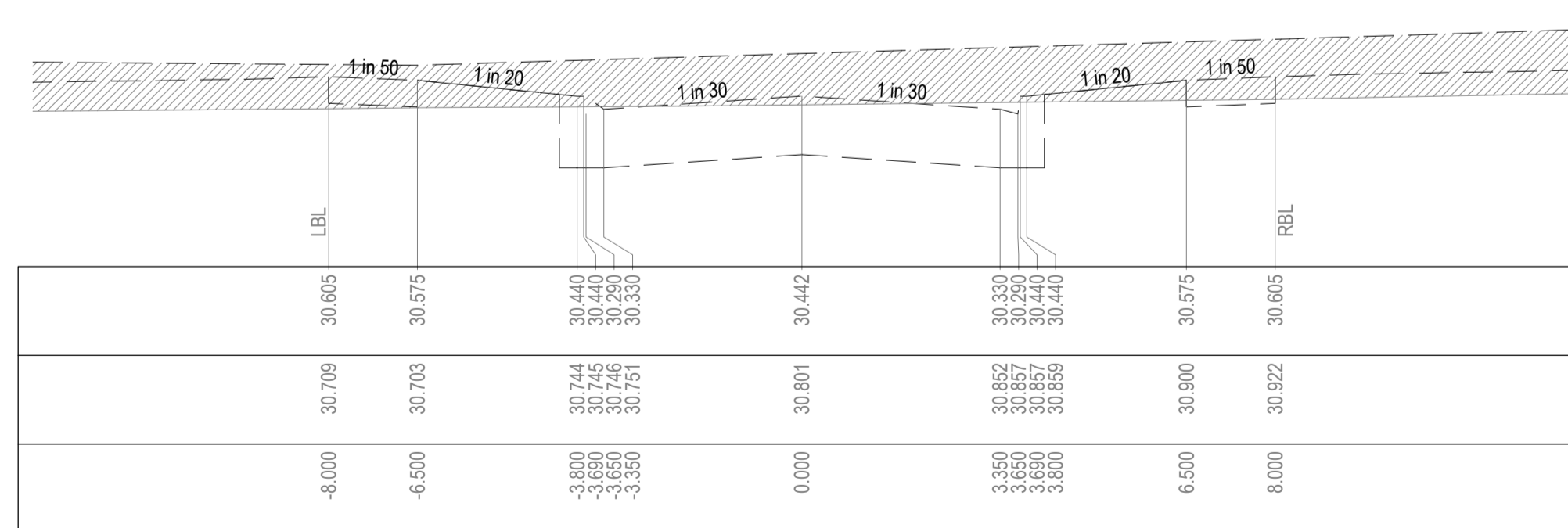
CH 42.150



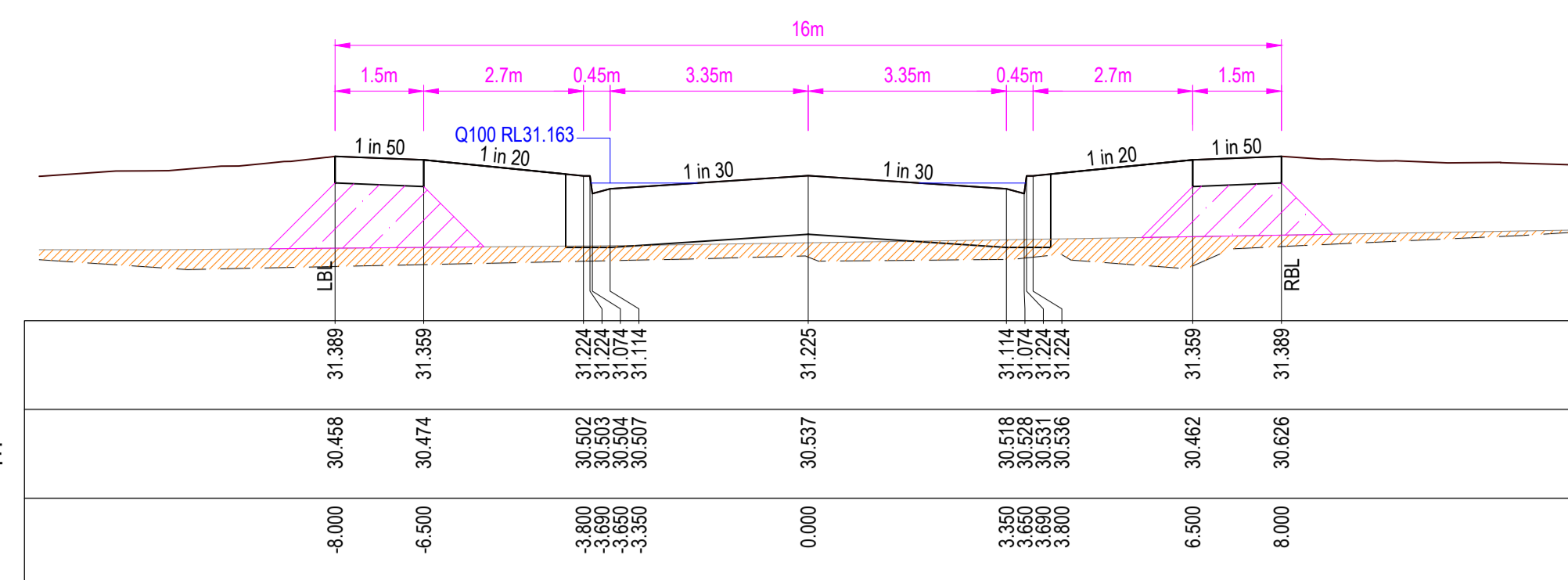
CH 32.150



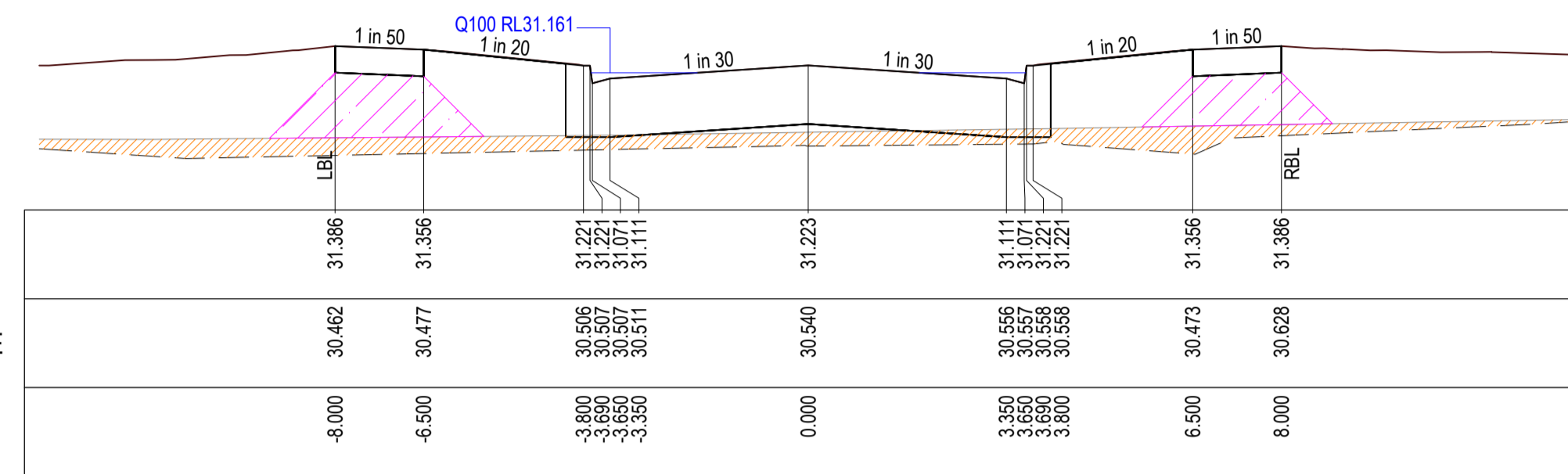
CH 23.150



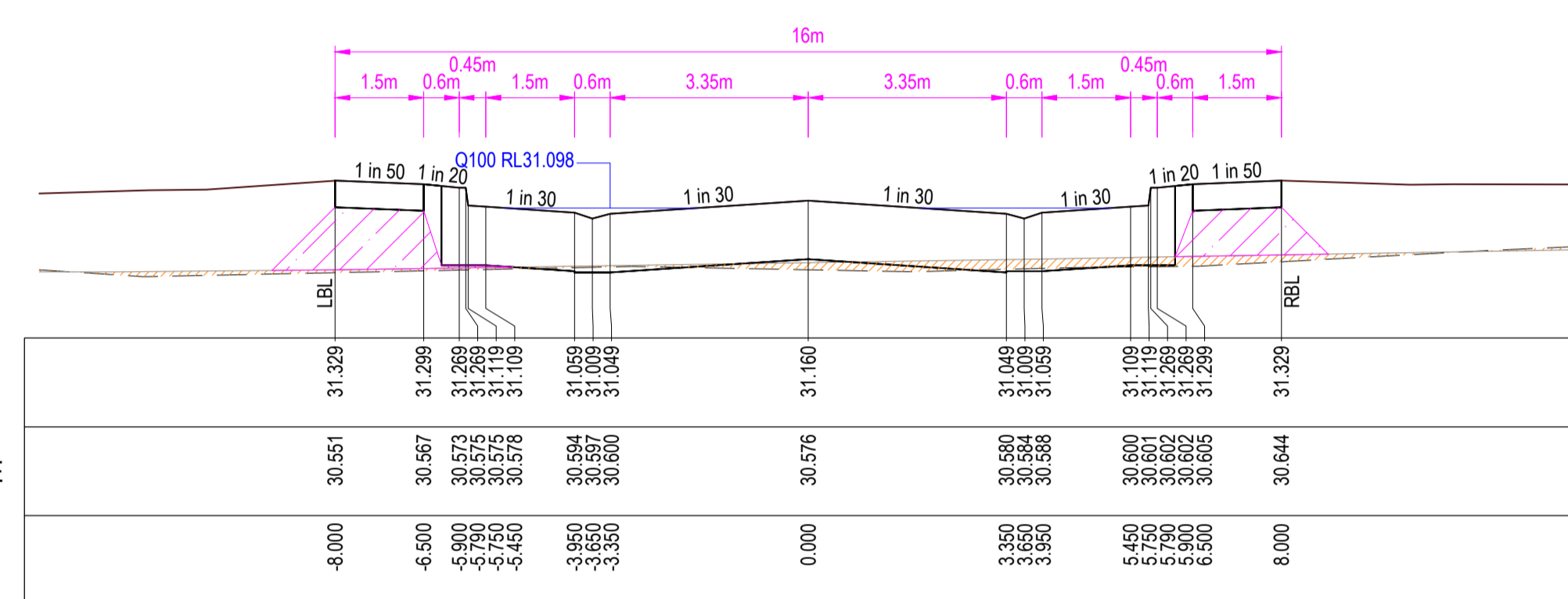
Ex.CH 13.150



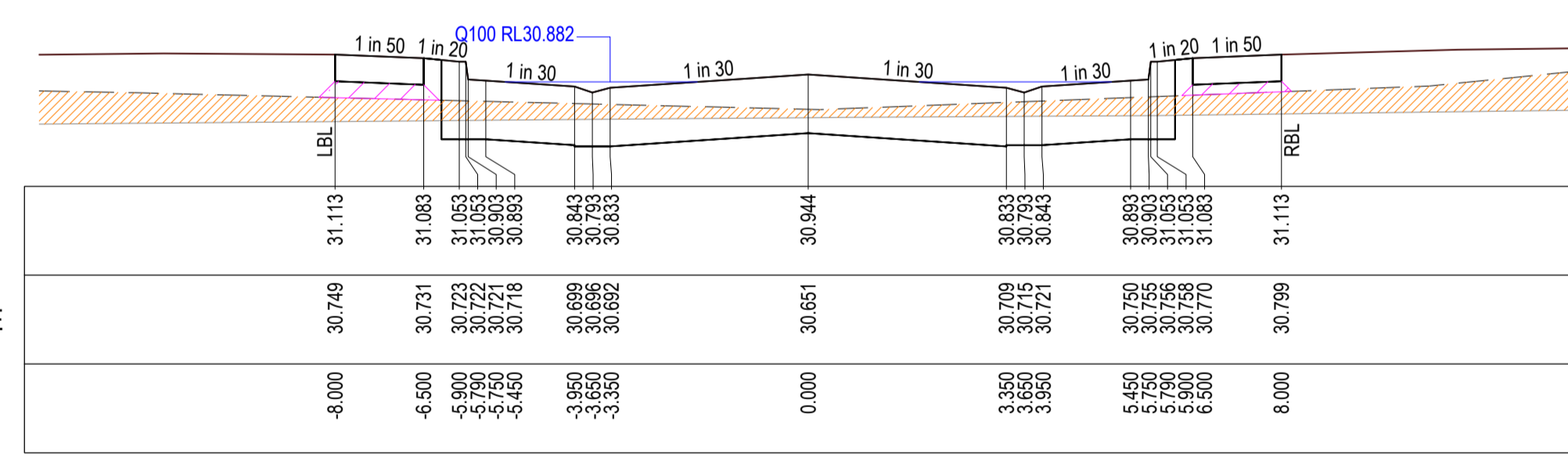
TPCH 60.800



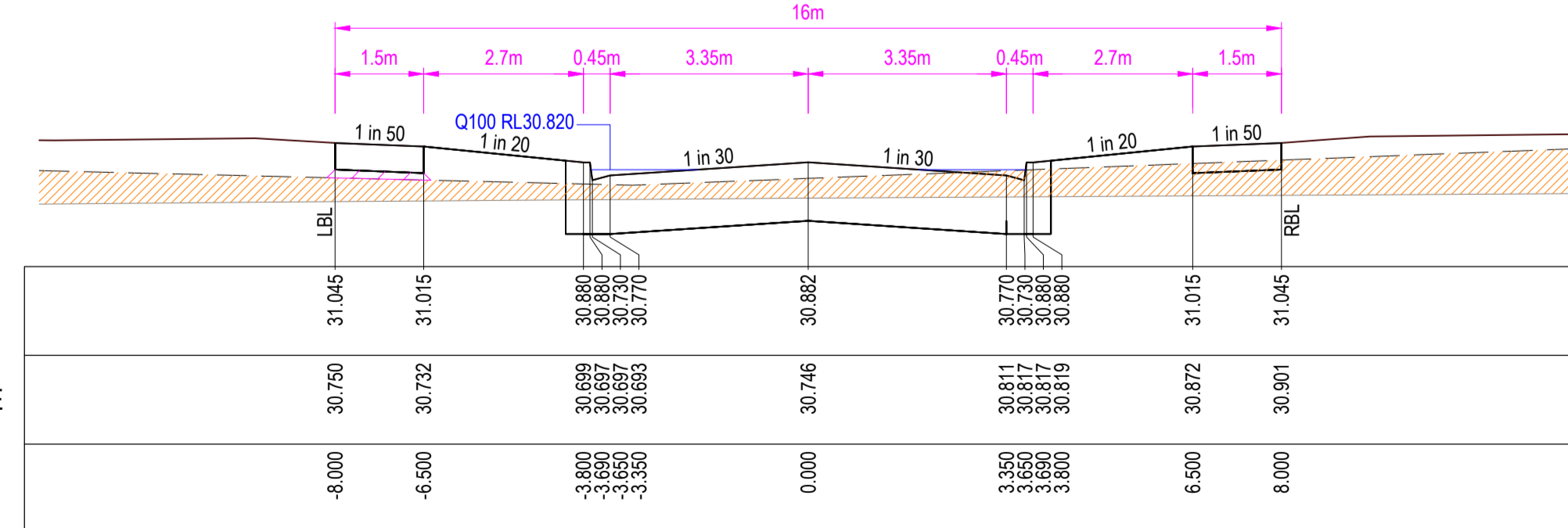
CH 60.665



CH 57.550



CH 46.750



CH 43.635

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

villawood
 properties
 Communities Designed for Living

creo
 CIVIL

Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

ARMSTRONG
 AT DUNDEE

ARMSTRONG - STAGE 35B
ROAD CROSS SECTIONS - 06
BLOOM STREET

PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

SCALE @ A1: 1:100 (H) 1:50 (V)

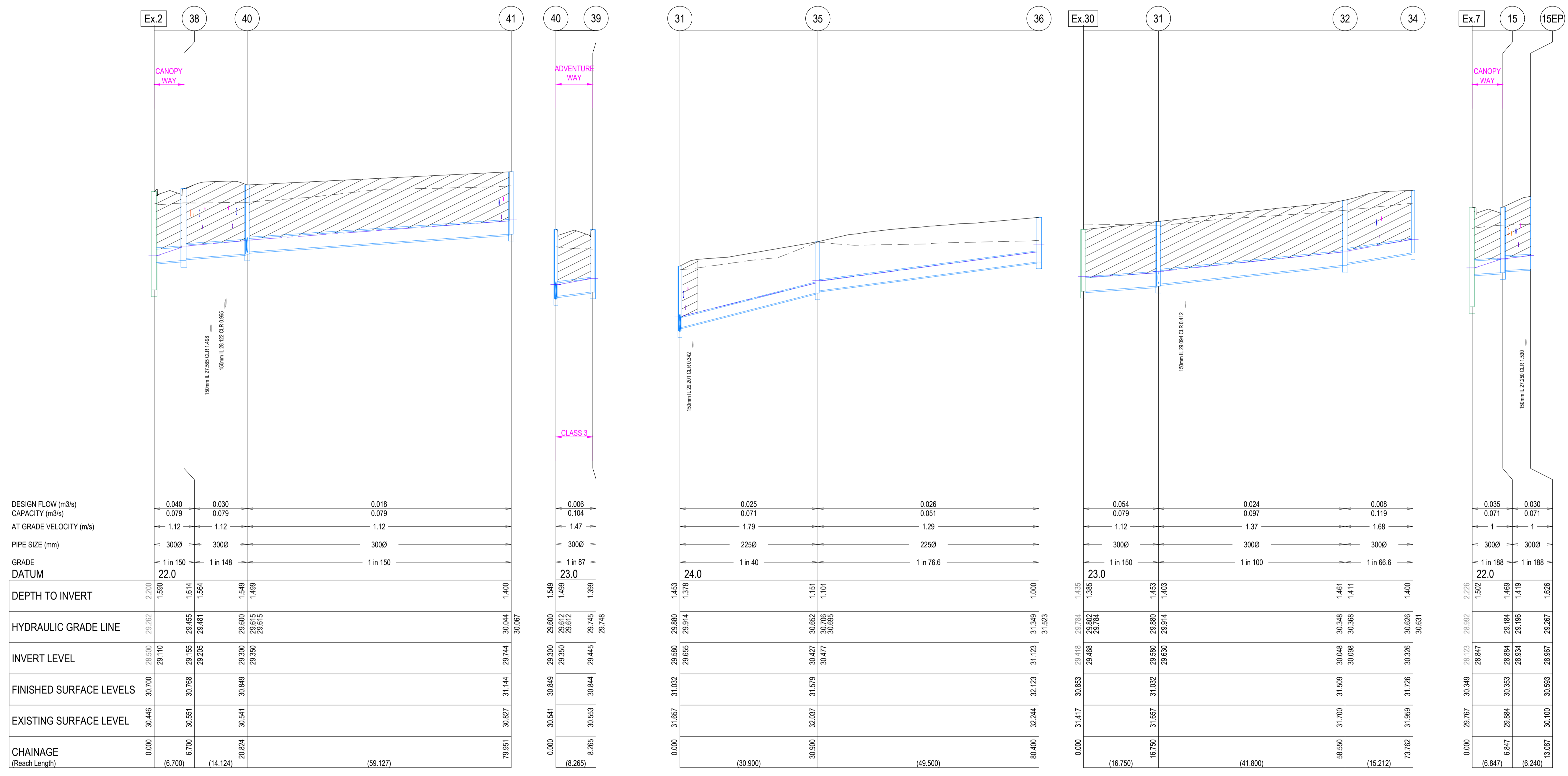
DESIGNED	K.MCKELVIE	PROJECT ENGINEER	J.RAMSAY (PE0015586)
DRAWN	K.MCKELVIE	PROJECT MANAGER	M.TROUNCE
PROJECT No.	180016.35B	DRAWING No.	R505
REVISION			B

P:\2018\180016 - VILLAWOOD - ARMSTRONG - STAGE 35B\CIVIL\2 - DRAFTING\CAD\180016_35B - R505 - ROAD CROSS SECTIONS.DWG

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- INDICATIVE ELECTRICITY
- INDICATIVE GAS
- INDICATIVE OPTIC
- INDICATIVE RECYCLE WATER
- INDICATIVE WATER
- CRUSHED ROCK BACKFILL

NOTE: ALL DRAINAGE PIPES ARE CLASS 2 RCP TYPE UNLESS OTHERWISE SHOWN



NOTE:
 IN ACCORDANCE WITH C.O.G.G DESIGN NOTE 8 (DATED JANUARY 2020) EXISTING DRAINAGE LOCATED WITHIN PROPOSED STAGE WORKS ARE REQUIRED TO BE RE-CCTVD TO CONFIRM NO CONSEQUENTIAL DAMAGE HAS OCCURRED

NOTE:
 PIT COVERS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 13. ALL PITS WITHIN ROAD RESERVE ARE TO BE CLASS B FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
 - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
 - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
 - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
 - WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
 - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

villawood
 properties
 Communities Designed for Living

creo
 CIVIL

Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

ARMSTRONG
 MT DUNEED

ARMSTRONG - STAGE 35B
DRAINAGE LONG SECTIONS - 01

PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

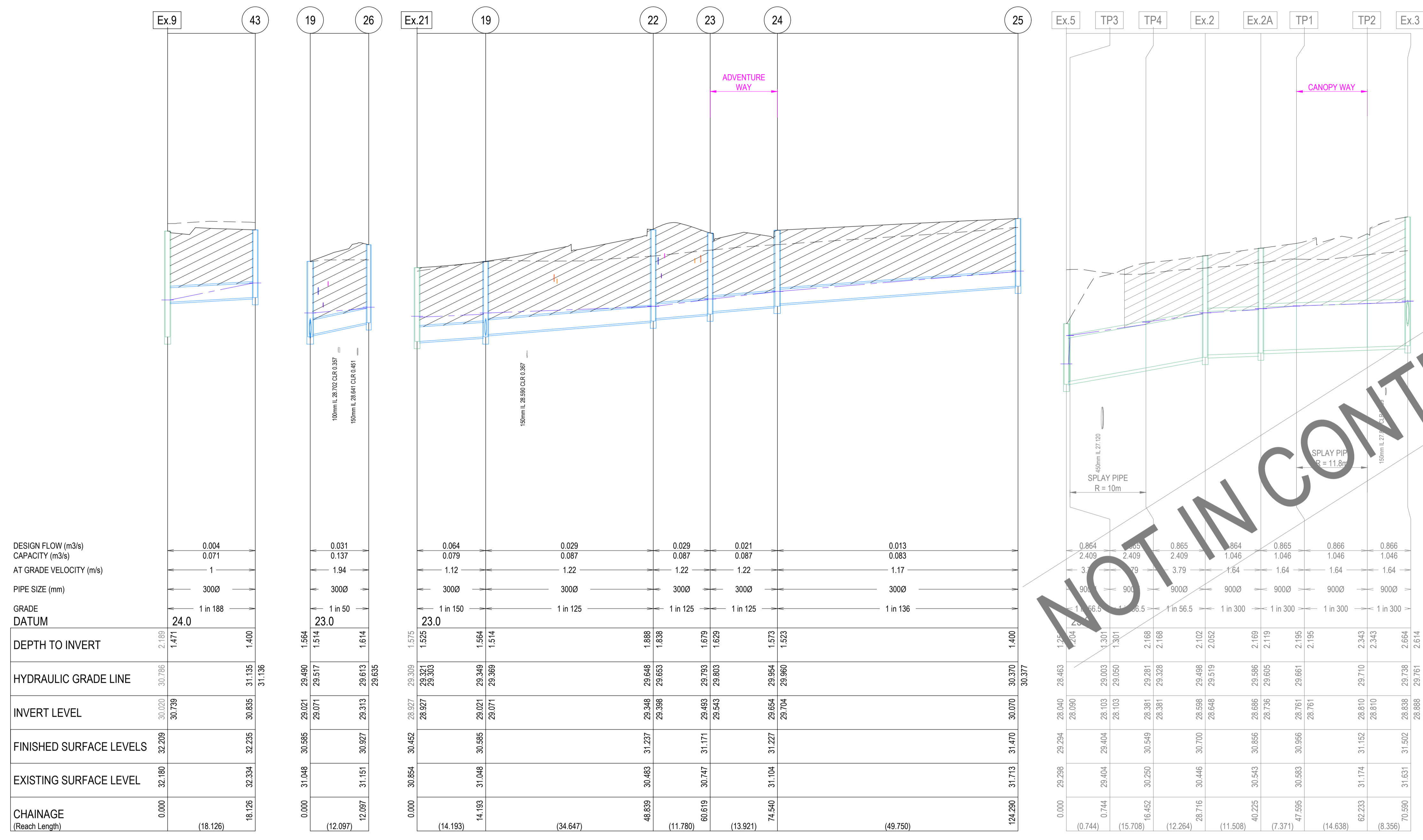
DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAY (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.35B	R600	B

P:\2018\180016 - VILLAWOOD - DRAINAGE LONG SECTIONS - 01\180016_35B - R600 - DRAINAGE LONG SECTIONS.DWG

LEGEND

	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	INDICATIVE ELECTRICITY
	INDICATIVE GAS
	INDICATIVE OPTIC
	INDICATIVE RECYCLE WATER
	INDICATIVE WATER
	CRUSHED ROCK BACKFILL

NOTE: ALL DRAINAGE PIPES ARE CLASS 2 RCP TYPE UNLESS OTHERWISE SHOWN



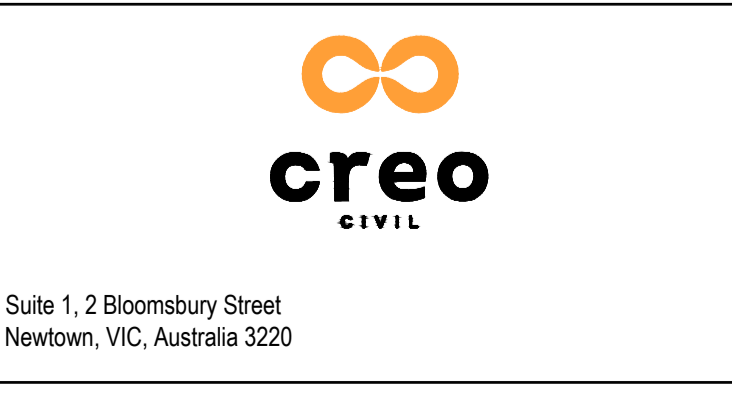
NOT IN CONTRACT

NOTE:
 IN ACCORDANCE WITH C.O.G.G DESIGN NOTE 8 (DATED JANUARY 2020) EXISTING DRAINAGE LOCATED WITHIN PROPOSED STAGE WORKS ARE REQUIRED TO BE RE-CCTVD TO CONFIRM NO CONSEQUENTIAL DAMAGE HAS OCCURRED

NOTE:
 PIT COVERS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 13. ALL PITS WITHIN ROAD RESERVE ARE TO BE CLASS B FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
 - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
 - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
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 - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE



ARMSTRONG - STAGE 35B
DRAINAGE LONG SECTIONS - 02

PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED K.MCKELVIE	PROJECT ENGINEER J.RAMSAY (PE0015586)
DRAWN K.MCKELVIE	PROJECT MANAGER M.TROUNCE
PROJECT No. 180016.35B	DRAWING No. R601
	REVISION B

P:201818016 - VILLAWOOD PROPERTIES (R601) 180016.35B - CIVIL - DRAINAGE LONG SECTIONS.DWG

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL
 GREATER GEELONG CITY COUNCIL
 PLANNING ENVIRONMENT ACT 1987
 GREATER GEELONG PLANNING SCHEME

Endorsed Plan
 Planning Permit No: PP-496-2012/H
 Certification No: 16351
 Sheet 16 of 19
 Approved By Matthew Kirtley
 Approved Date 23/01/2025

NOTE: THIS IS NOT A BUILDING APPROVAL

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIA. (mm)	INVERT RL (m)	DIA. (mm)	INVERT RL (m)				
Ex.2	EXISTING PIT	Ex.1200	Ex.900	300	29.110	Ex.900	28.598	30.700	2.102		CONNECT TO EXISTING PIT. MAKE GOOD CONNECTION
Ex 7	EXISTING PIT	Ex.1200	Ex.900	300	28.847	Ex.900	28.123	30.349	2.226		CONNECT TO EXISTING PIT. MAKE GOOD CONNECTION. ADJUST EXISTING PIT TO SUIT FINISHED SURFACE LEVEL & PROVIDE PERMANENT COVER
Ex 9	EXISTING PIT	Ex.1200	Ex.900	300	30.739	Ex.750	30.020	32.209	2.189		CONNECT TO EXISTING PIT. MAKE GOOD CONNECTION
Ex 21	EXISTING PIT	Ex.600	Ex.900	300	28.927	Ex.300	28.877	30.452	1.575		CONNECT TO EXISTING PIT. MAKE GOOD CONNECTION
Ex 30	EXISTING PIT	Ex.600	Ex.900	300	29.468	Ex.300	29.418	30.853	1.435		CONNECT TO EXISTING PIT. MAKE GOOD CONNECTION
15	SIDE ENTRY PIT	600	900	300	28.934	300	28.884	30.353	1.469	IDM SD 430	
15EP	ENDPIPE					300	28.967	30.593	1.626		PROVIDE ENDPIPE FOR FUTUTRE CONNECTION. ENDPIPE TO BE CAPPED PRIOR TO BACKFILLING
19	SIDE ENTRY PIT	600	900	300	29.071	300	29.021	30.585	1.564	IDM SD 430	
				300	29.071						
22	SIDE ENTRY PIT	600	900	300	29.398	300	29.348	31.237	1.888	IDM SD 430	
23	SIDE ENTRY PIT	600	900	300	29.543	300	29.493	31.171	1.679	IDM SD 430	
24	SIDE ENTRY PIT	600	900	300	29.704	300	29.654	31.227	1.573	IDM SD 430	
25	SIDE ENTRY PIT	600	900			300	30.070	31.470	1.400	IDM SD 430	
26	GRATED PIT	600	900			300	29.313	30.927	1.614	IDM SD 455	PROVIDE BLOCKOUT IN NORTH WALL FOR FUTURE 300dia. DRAIN IL29.363
31	SIDE ENTRY PIT	600	900	300	29.630	300	29.580	31.032	1.453	IDM SD 430	
				225	29.655						
32	JUNCTION PIT	600	900	300	30.098	300	30.048	31.509	1.461	IDM SD 420	
34	GRATED PIT	600	900			300	30.326	31.726	1.400	IDM SD 455	
35	JUNCTION PIT	600	900	225	30.477	225	30.427	31.579	1.151	IDM SD 425	
36	JUNCTION PIT	600	900			225	31.123	32.123	1.000	IDM SD 425	
38	SIDE ENTRY PIT	600	900	300	29.205	300	29.155	30.768	1.614	IDM SD 430	
39	SIDE ENTRY PIT	600	900			300	29.445	30.844	1.399	IDM SD 430	
40	SIDE ENTRY PIT	600	900	300	29.350	300	29.300	30.849	1.549	IDM SD 430	
				300	29.350						
41	SIDE ENTRY PIT	600	900			300	29.744	31.144	1.400	IDM SD 430	
43	SIDE ENTRY PIT	600	900			300	30.835	32.235	1.400	IDM SD 430	

P:\2018\18016 - VILLAWOOD ARMSTRONG (18016.35B) CIVIL\2 - DRAFTING\CAD\18016.35B - R600 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

CLIENT



Communities Designed for Living



Suite 1, 2 Bloomsbury Street
Newtown, VIC, Australia 3220

PROJECT



DRAWING TITLE

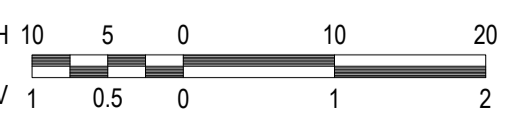
**ARMSTRONG - STAGE 35B
PIT SCHEDULE**

PLANNING PERMIT No: PP-496-2012

STATUS

**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500 (H) 1:50 (V)

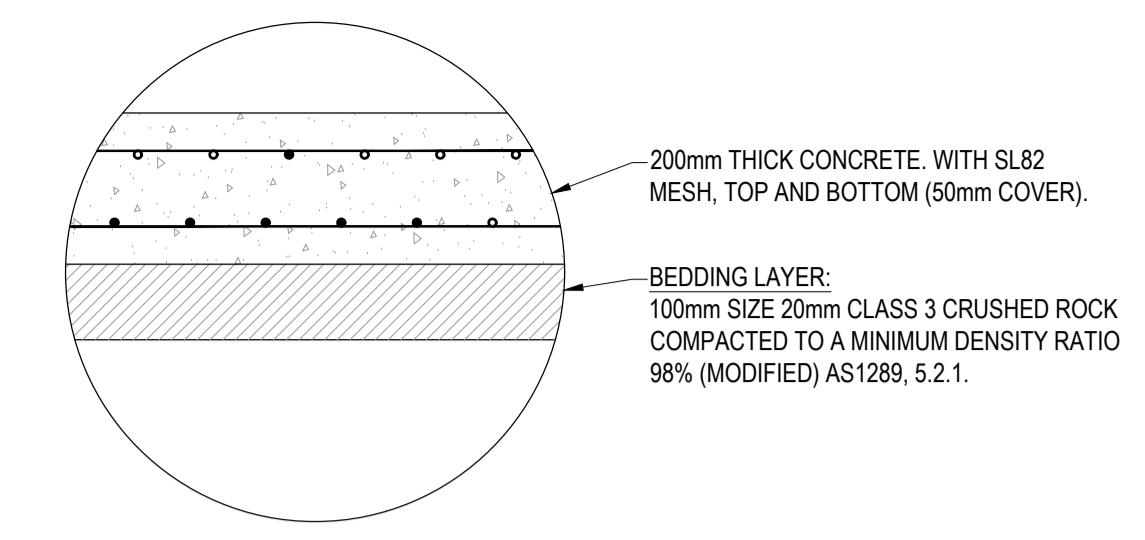
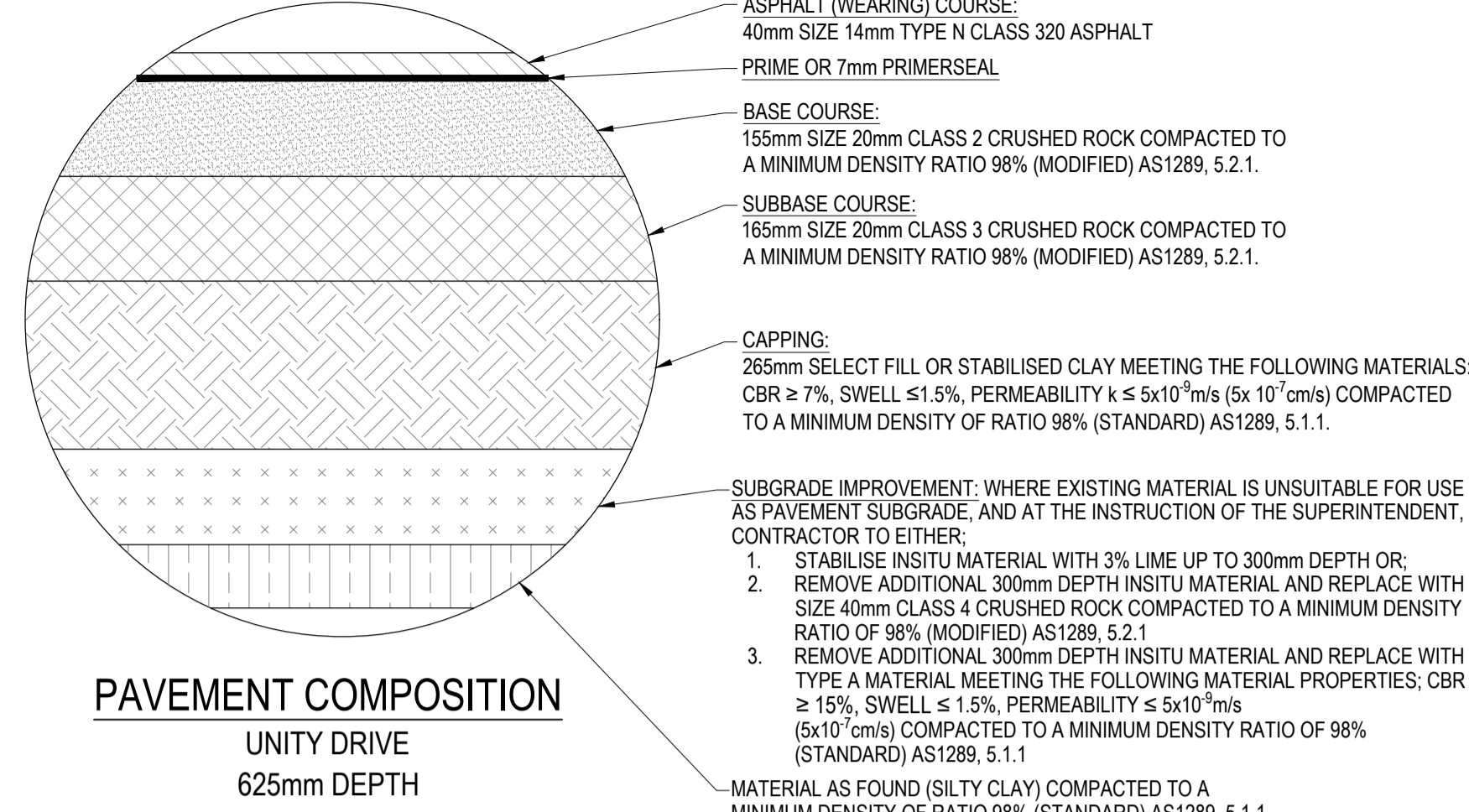
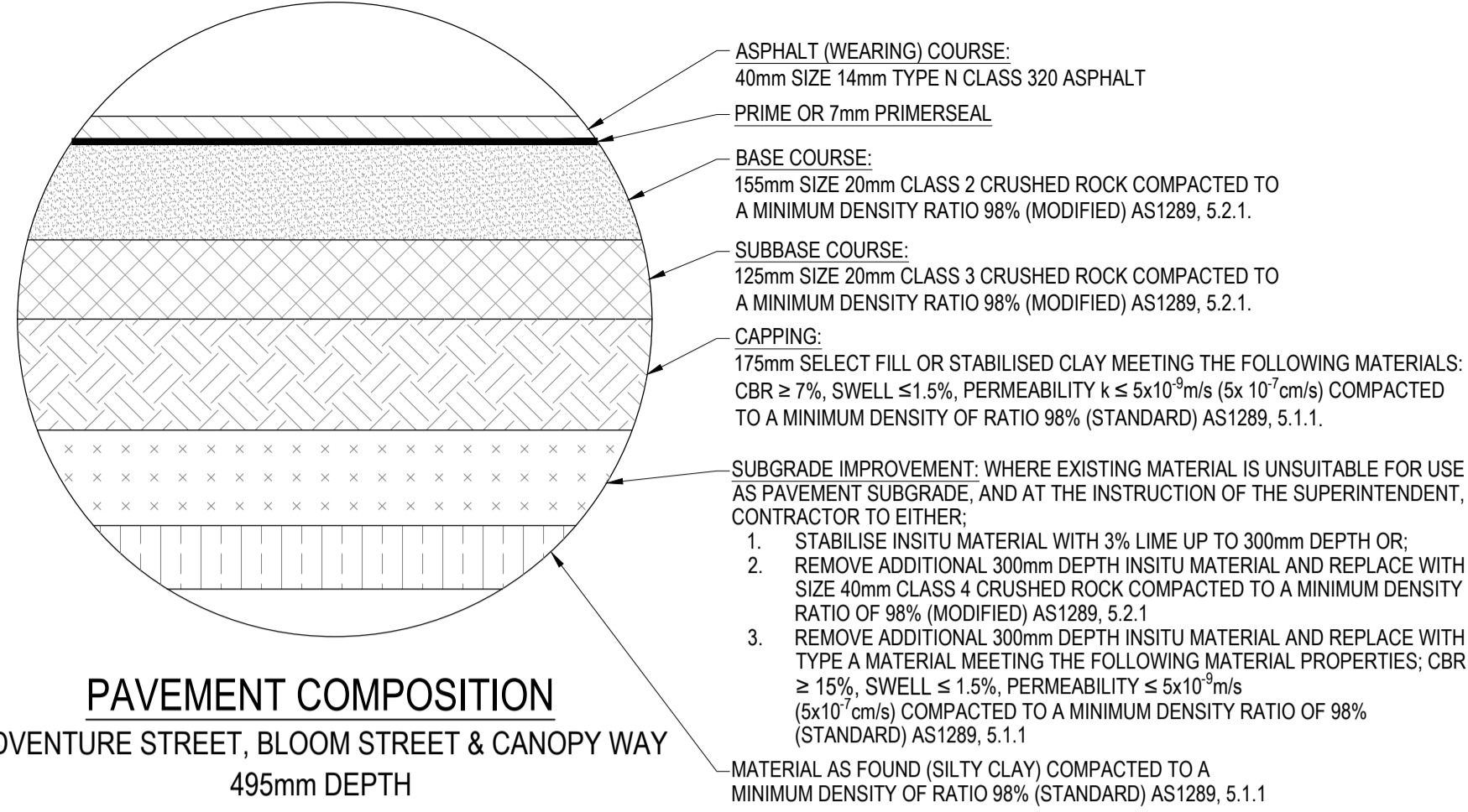


DESIGNED	K.MCKELVIE	PROJECT ENGINEER	J.RAMSAY (PE0015586)
DRAWN	K.MCKELVIE	PROJECT MANAGER	M.TROUNCE
PROJECT No.	180016.35B	DRAWING No.	R602
		REVISION	B

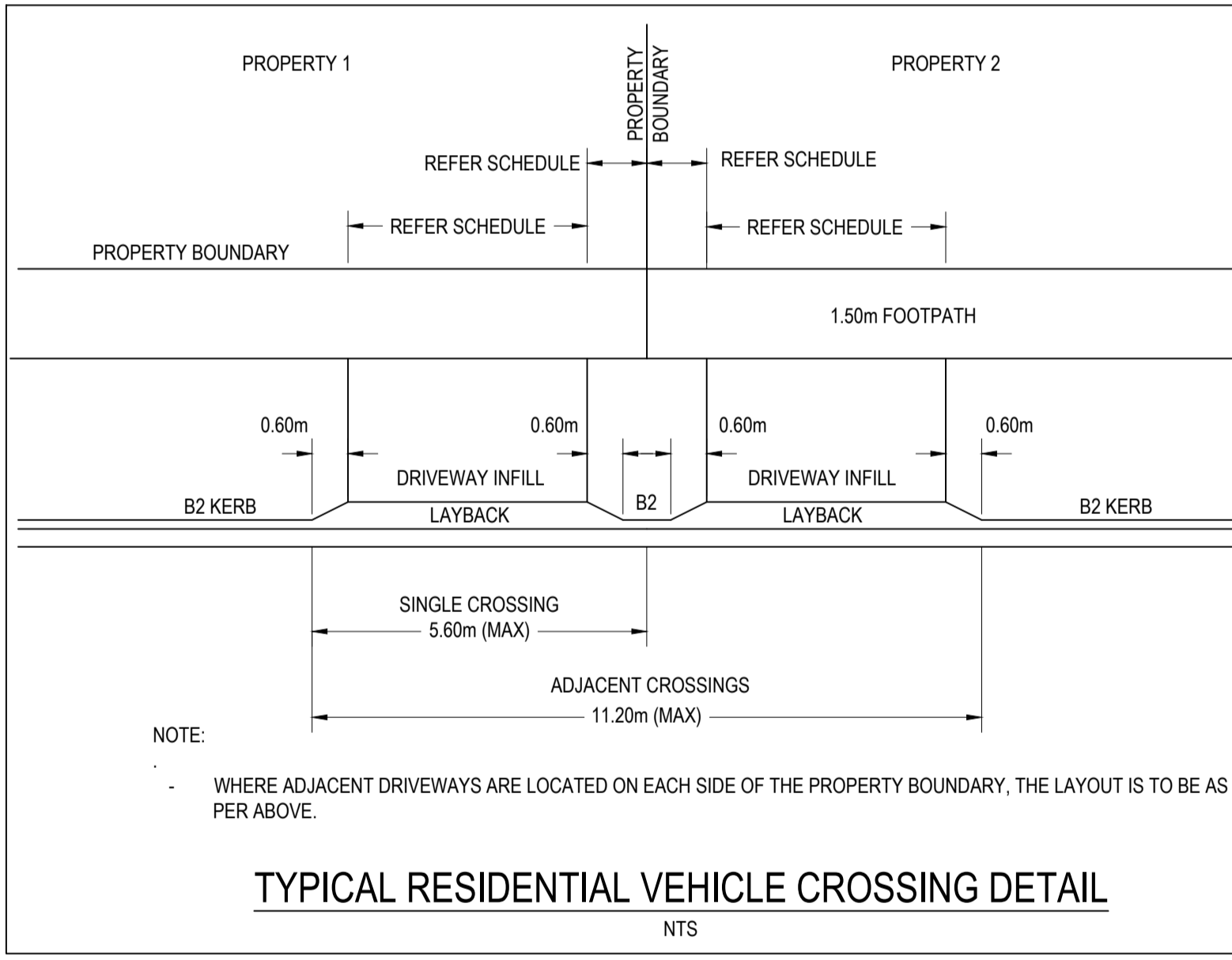
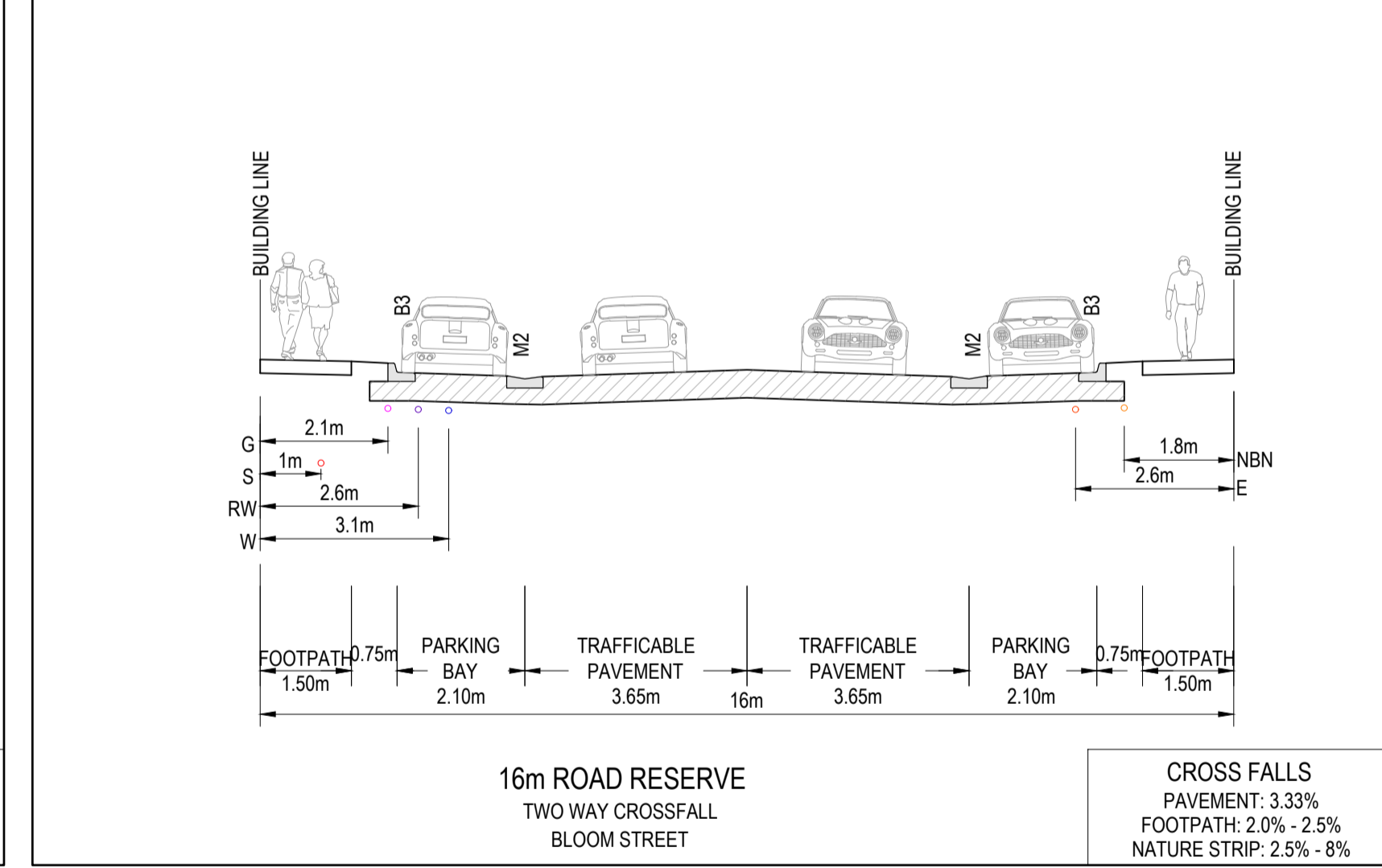
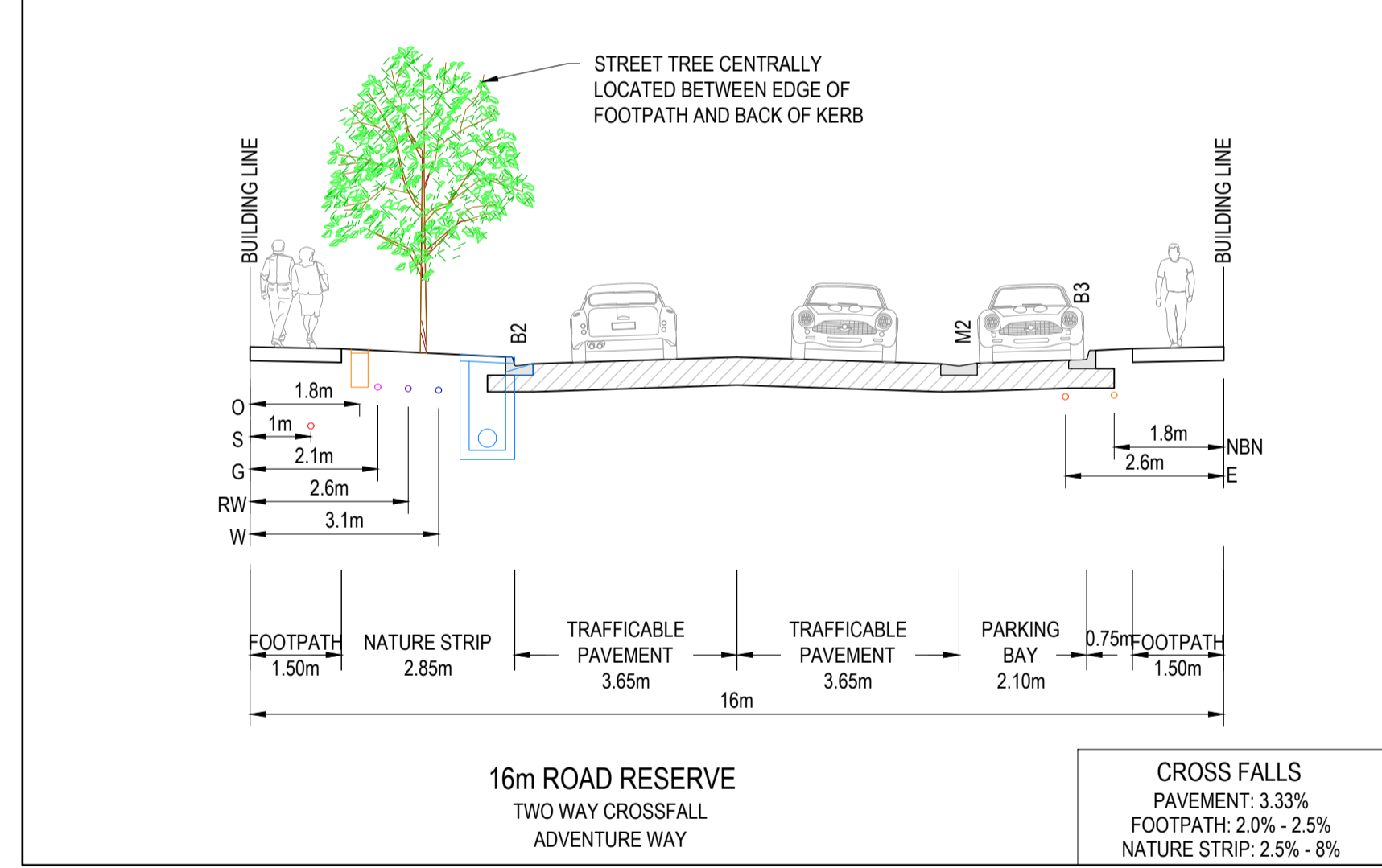
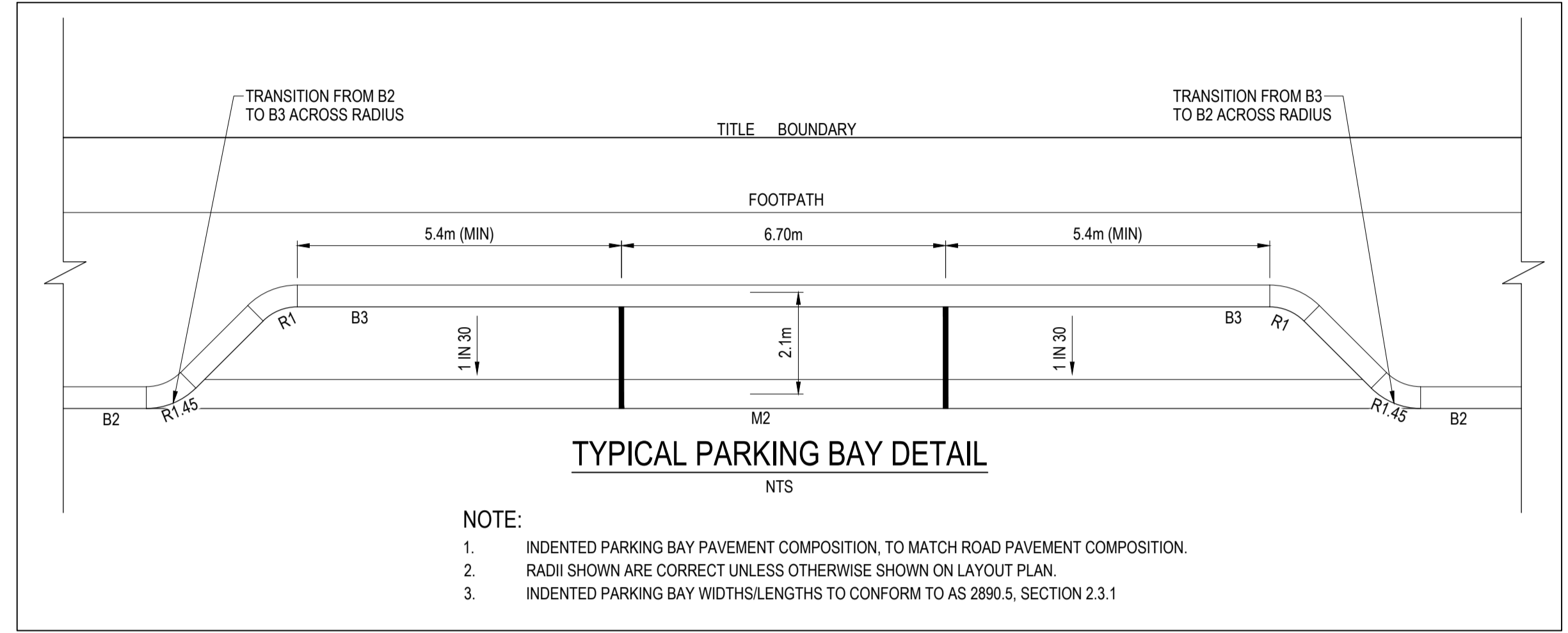
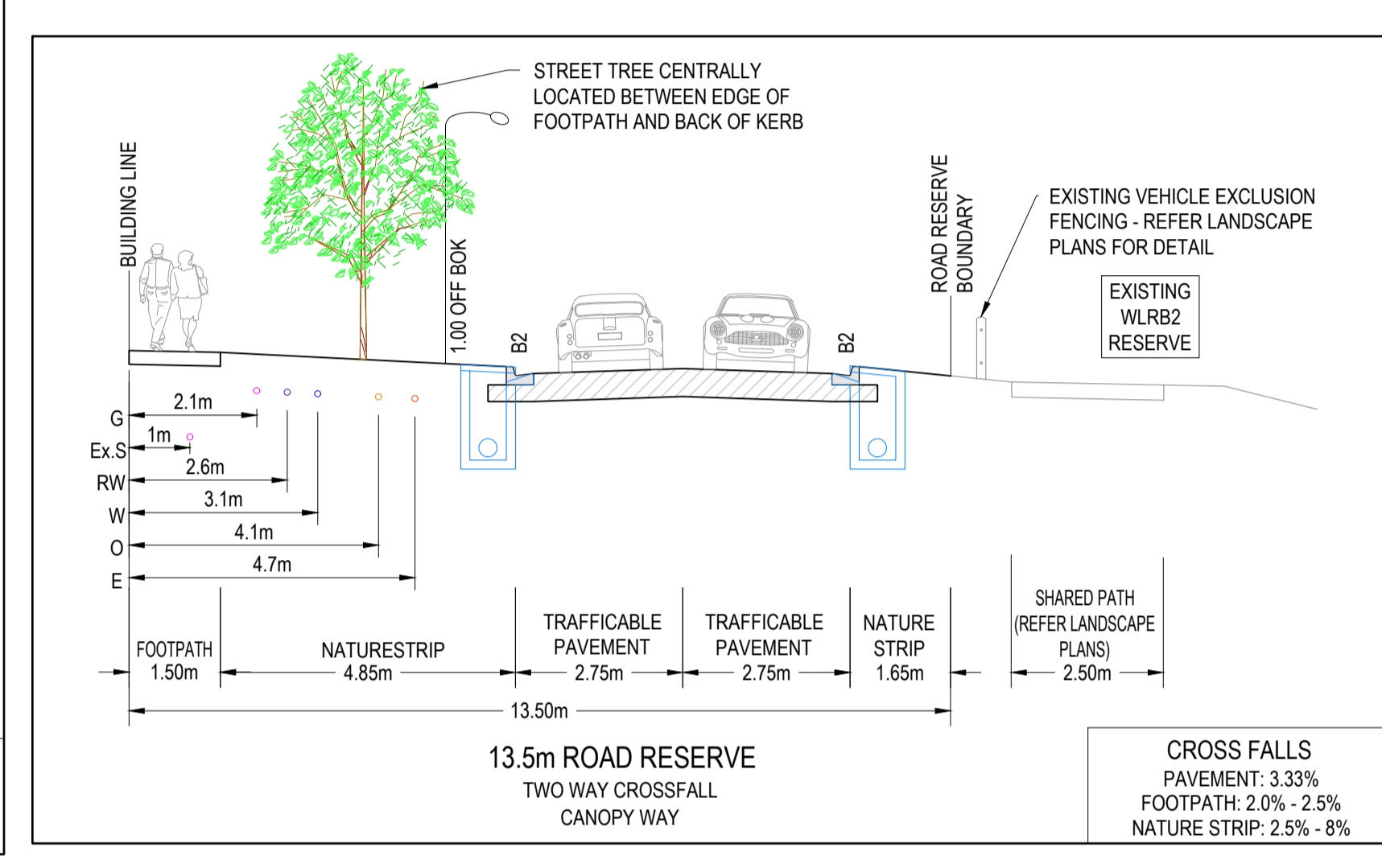
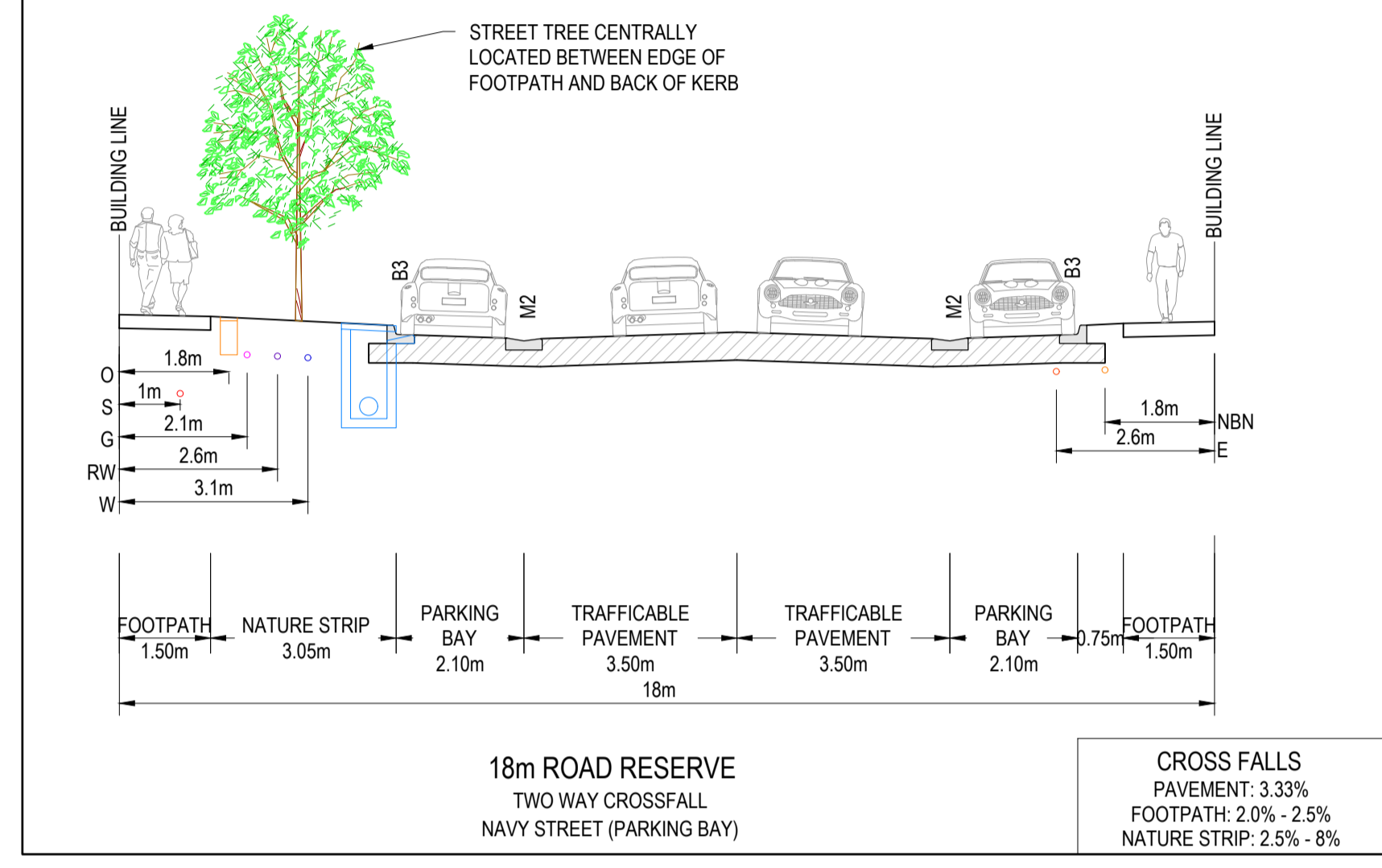
CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL
**GREATER GEELONG CITY COUNCIL
 PLANNING ENVIRONMENT ACT 1987
 GREATER GEELONG PLANNING SCHEME**

Endorsed Plan
 Planning Permit No: PP-496-2012/H
 Certification No: 16351
 Sheet 17 of 19
 Approved By Matthew Kirtley
 Approved Date 23/01/2025

NOTE: THIS IS NOT A BUILDING APPROVAL

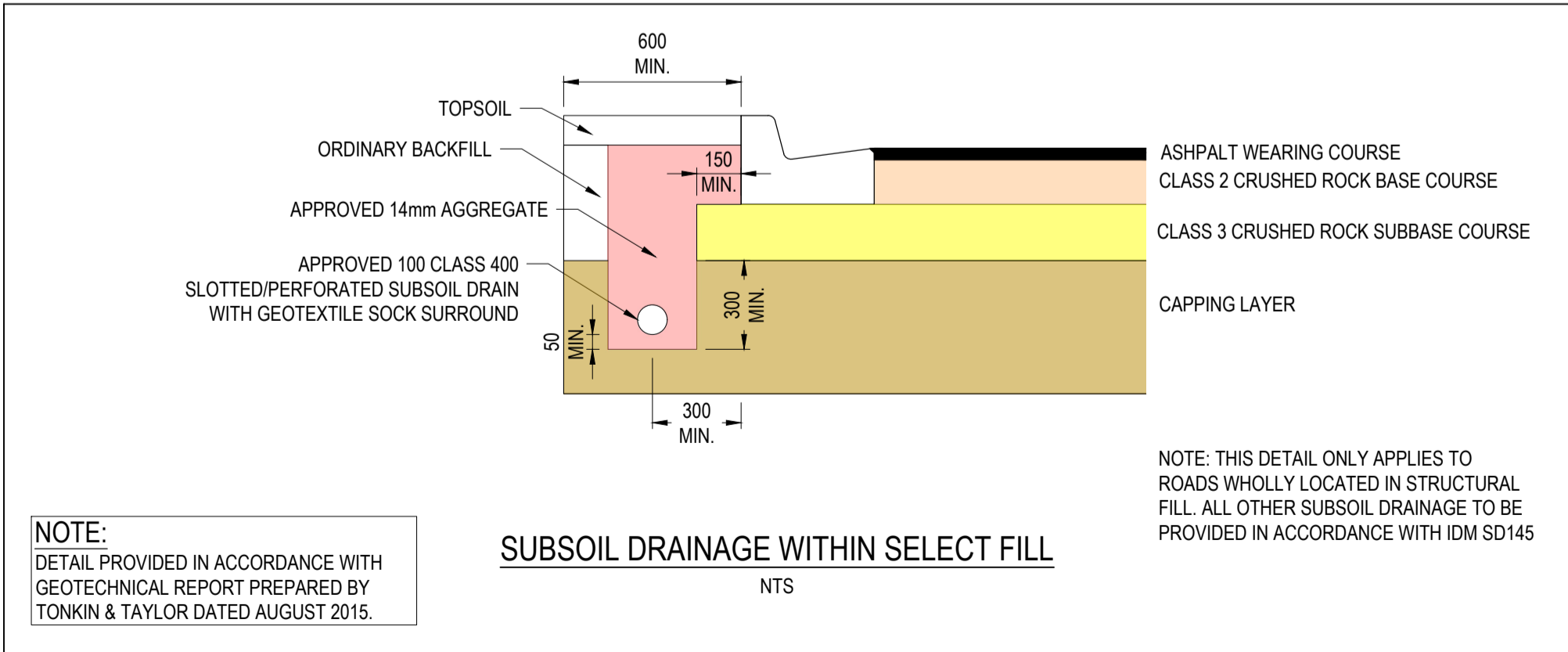
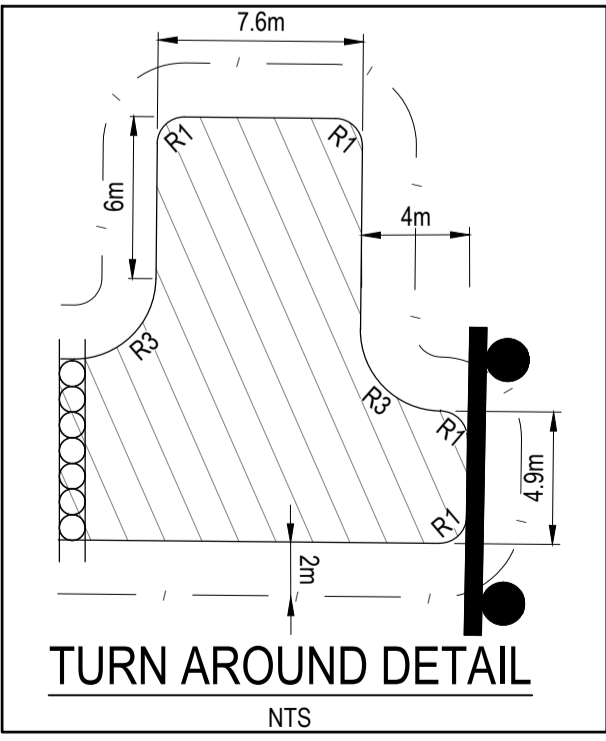
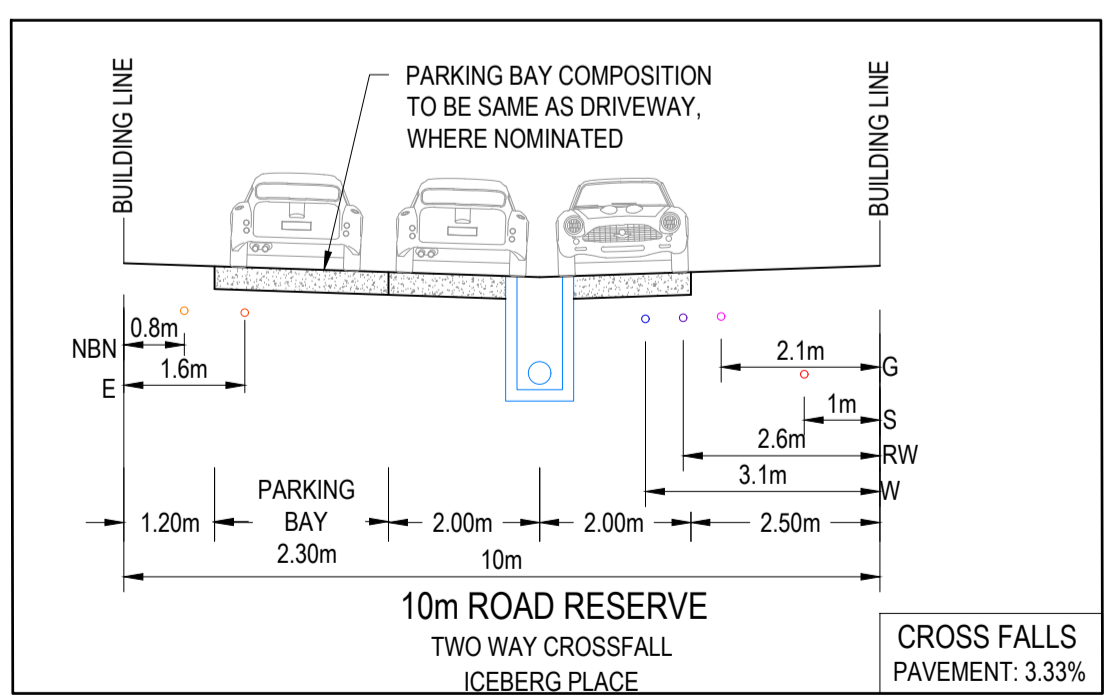


NOTE:
 IN HIGHLY EXPANSIVE CLAY HD POLYETHYLENE MOISTURE BARRIER SHEETING IS TO EXTEND UNDER THE KERB AND LINE THE SUBSOIL TRENCH AND GEOTEXTILE FABRIC IN OTHER SITUATIONS AS PER IDM SD 145



NON STANDARD VEHICLE CROSSING SCHEDULE

LOT NO.	VEHICLE CROSSING WIDTH(m)	OFFSET FROM NEAREST SIDE BOUNDARY (m) + DIRECTION
3534	3.5	0.6 WEST
3537	3.0	0.6 SOUTH
3538	3.0	0.0 SOUTH
3539	3.0	0.0 NORTH
3540	3.0	0.0 SOUTH
3541	3.0	0.0 NORTH
3542	3.0	0.0 SOUTH
3543	3.0	0.0 NORTH
3544	3.3	0.6 EAST
3545	3.3	0.75 WEST
3546	3.3	0.75 EAST
3547	3.3	0.75 WEST
3548	3.3	0.75 EAST
3549	4.0	1.0 WEST
3550	4.0	1.0 WEST
3552	3.7	0.6 SOUTH
3553	3.7	0.6 SOUTH
3556	3.7	0.6 NORTH
3558	3.7	0.6 SOUTH
3559	3.7	0.6 SOUTH



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAJ	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAJ	M.TROUNCE



Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220



**ARMSTRONG - STAGE 35B
 TYPICAL DETAILS**

PLANNING PERMIT No: PP-496-2012

**ISSUED FOR APPROVAL
 NOT FOR CONSTRUCTION**

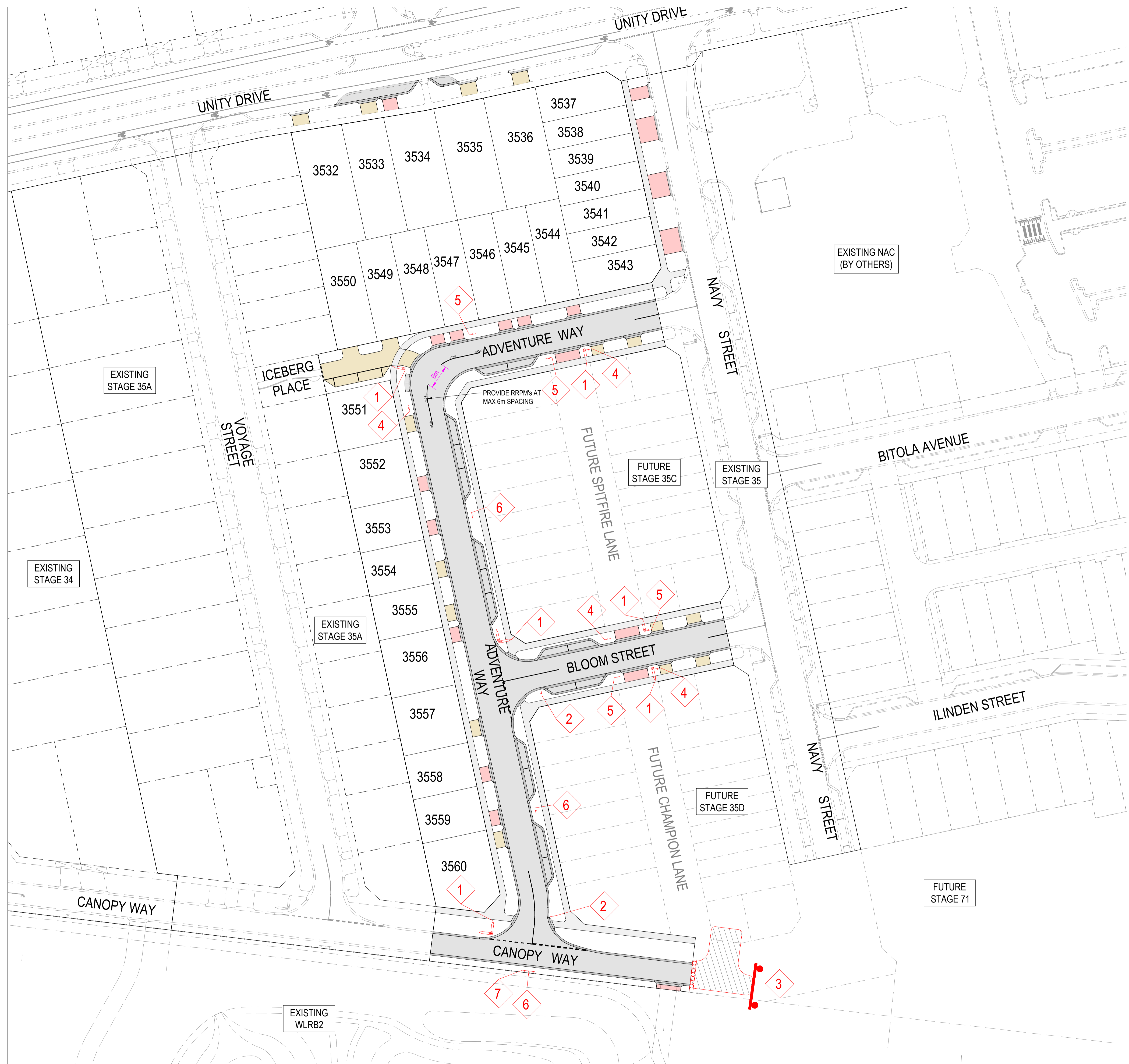
SCALE @ AT:
AS SHOWN

DESIGNED	PROJECT ENGINEER	
K.MCKELVIE	J.RAMSAJ (PE0015586)	
DRAWN	PROJECT MANAGER	
K.MCKELVIE	M.TROUNCE	
PROJECT No:	DRAWING No:	REVISION
180016.35B	R700	B

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL
GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

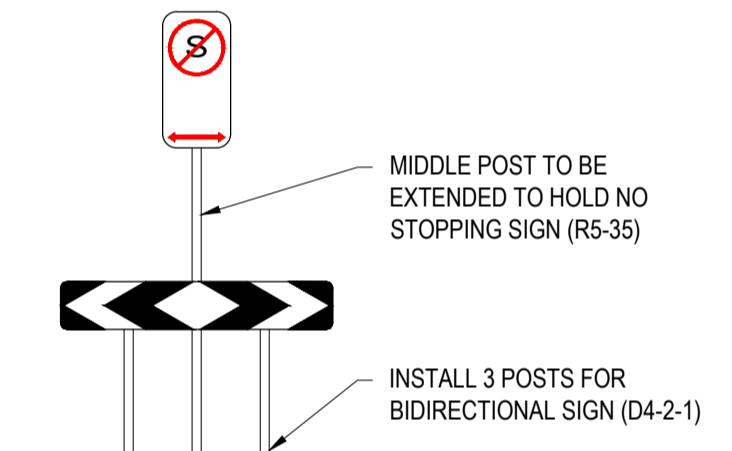
Endorsed Plan
 Planning Permit No: PP-496-2012/H
 Certification No: 16351
 Sheet 18 of 19
 Approved By Matthew Kirtley
 Approved Date 23/01/2025

NOTE: THIS IS NOT A BUILDING APPROVAL



SIGN SCHEDULE

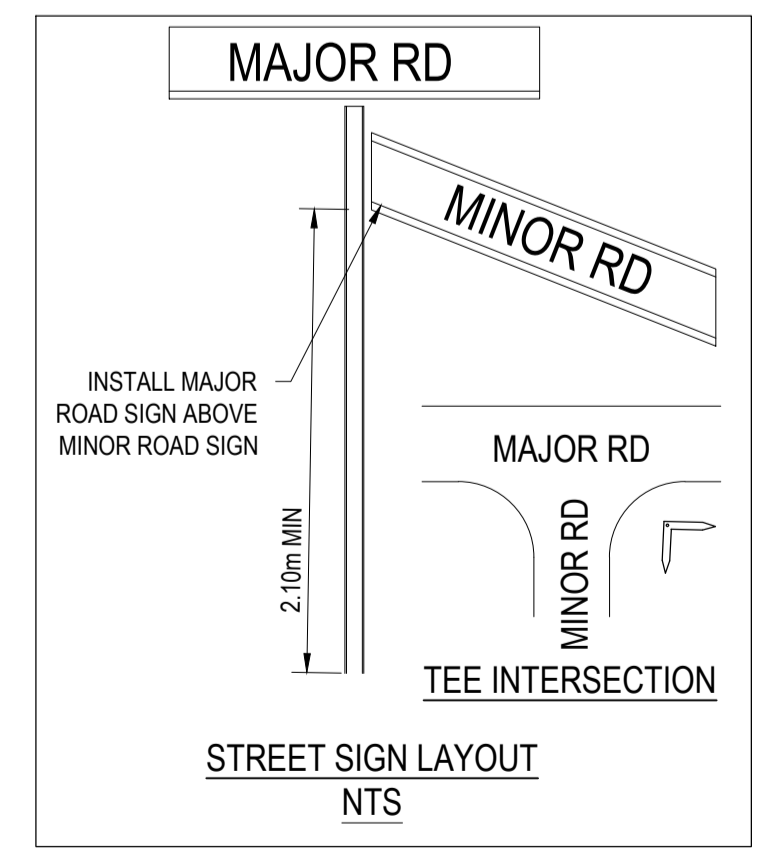
SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN (G5 SERIES)		
	2	2No.
R1-2		
	3	1No.
T2-4A D4-5		
	4	4No.
R5-35R		
	5	4No.
R5-35L		
	6	3No.
R5-35		
	7	1No.
D4-2-1		
	AS SHOWN	4No.



SIGN 6 & 7 DETAIL
N.T.S.

STREET SIGN SCHEDULE

ADVENTURE WAY	2No.
CANOPY WAY	1No.
BLOOM ST	1No.
ICEBERG PL	1No.
CHAMPION LN	1No.
SPITFIRE LN	2No.



STREET SIGN LAYOUT
N.T.S.

SIGNAGE & LINEMARKING 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 AND SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.
- ALL SIGNS AND LINEMARKING TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2 - SIGNS & MARKINGS.
- ALL SIGN POSTS TO BE SLEEVED IN ACCORDANCE WITH COGG SD CG6710 - SIGN POSTS.
- ALL LINEMARKING TO BE THERMOPLASTIC PERMANENT PAINT.
- ALL STREET HYDRANTS TO BE IDENTIFIED IN ACCORDANCE WITH C.F.A. DOCUMENT - IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES, PUBLISHED JULY 2019 INCLUDING INSTALLATION OF BLUE RAISED REFLECTIVE PAVEMENT MARKERS & PAINTED WHITE REFLECTIVE TRIANGLES.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE



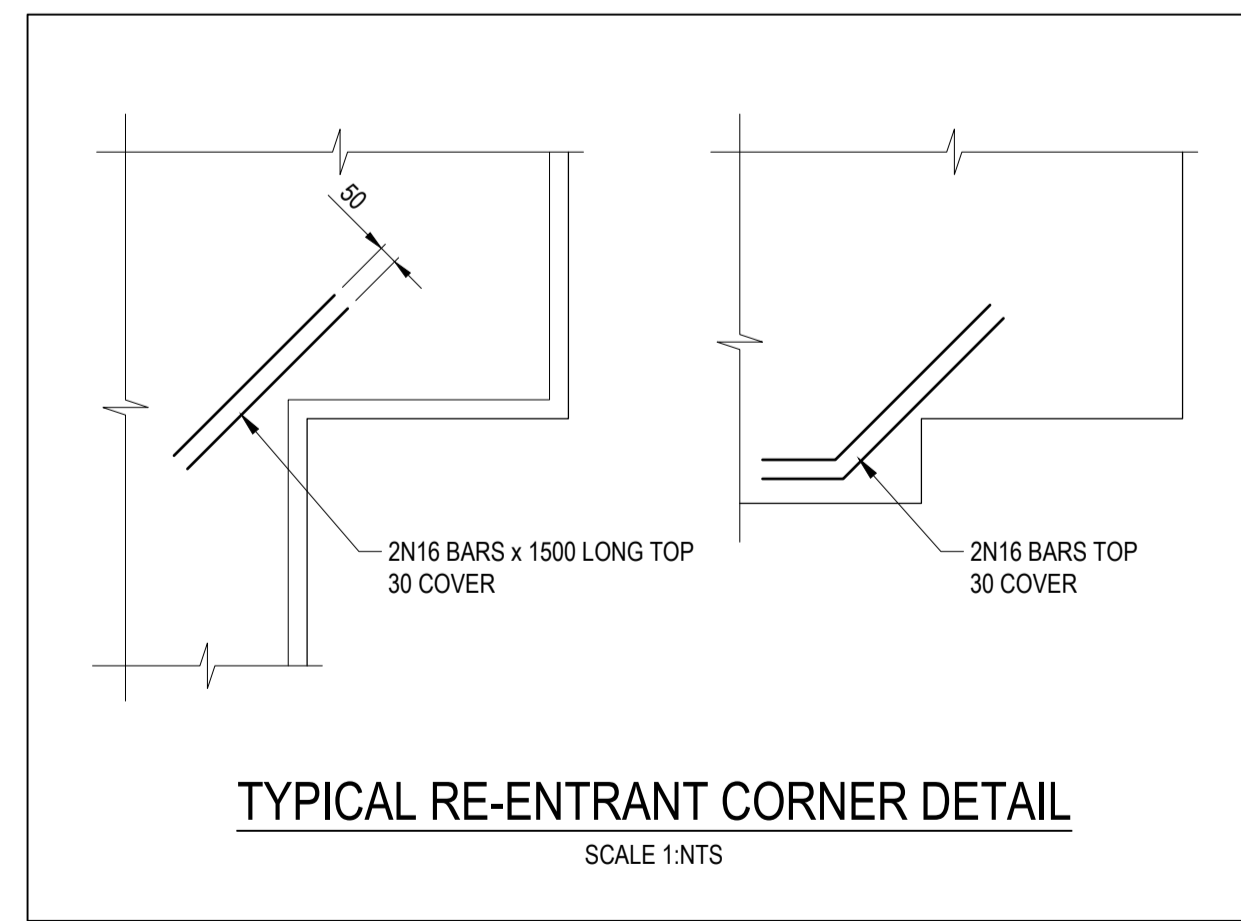
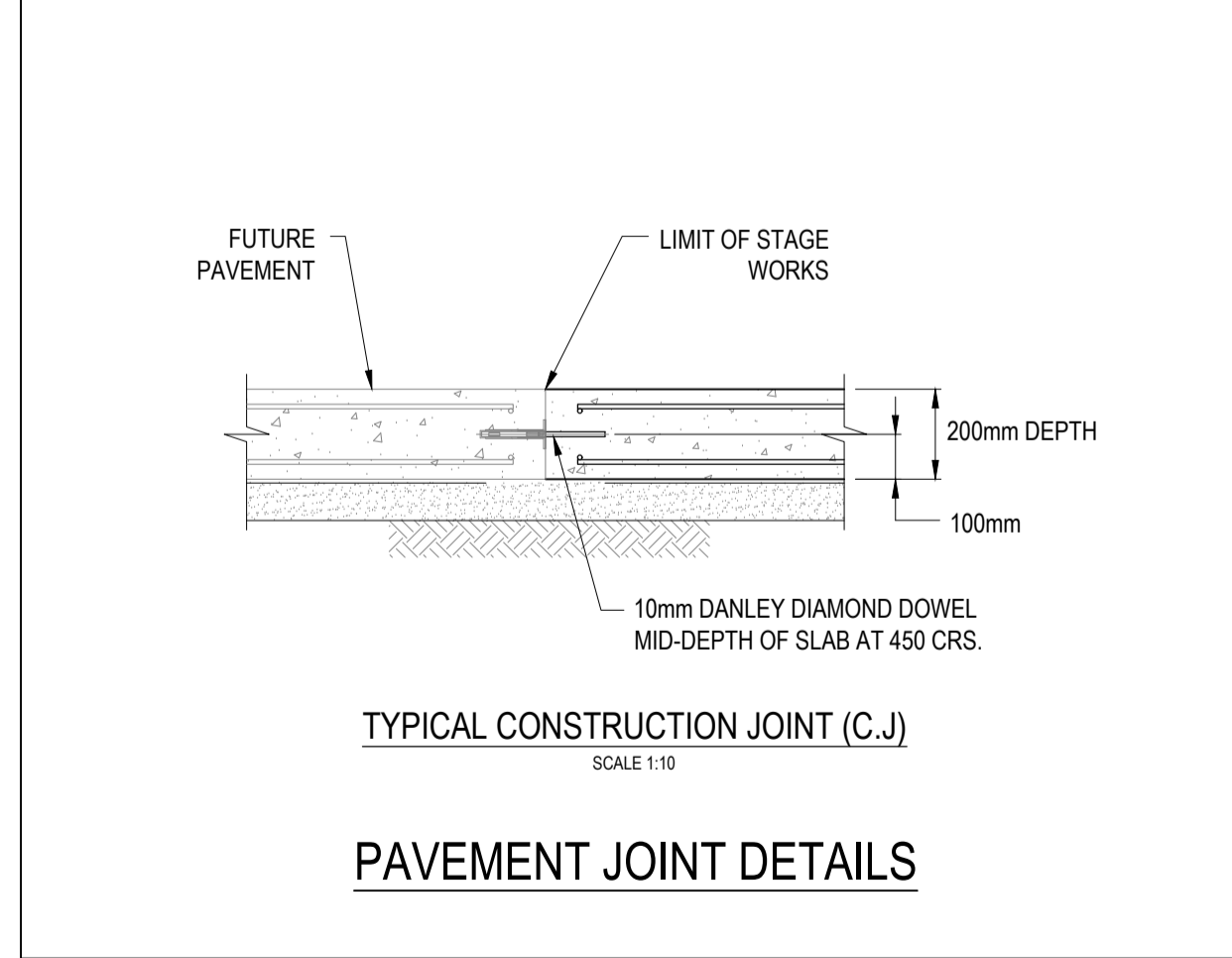
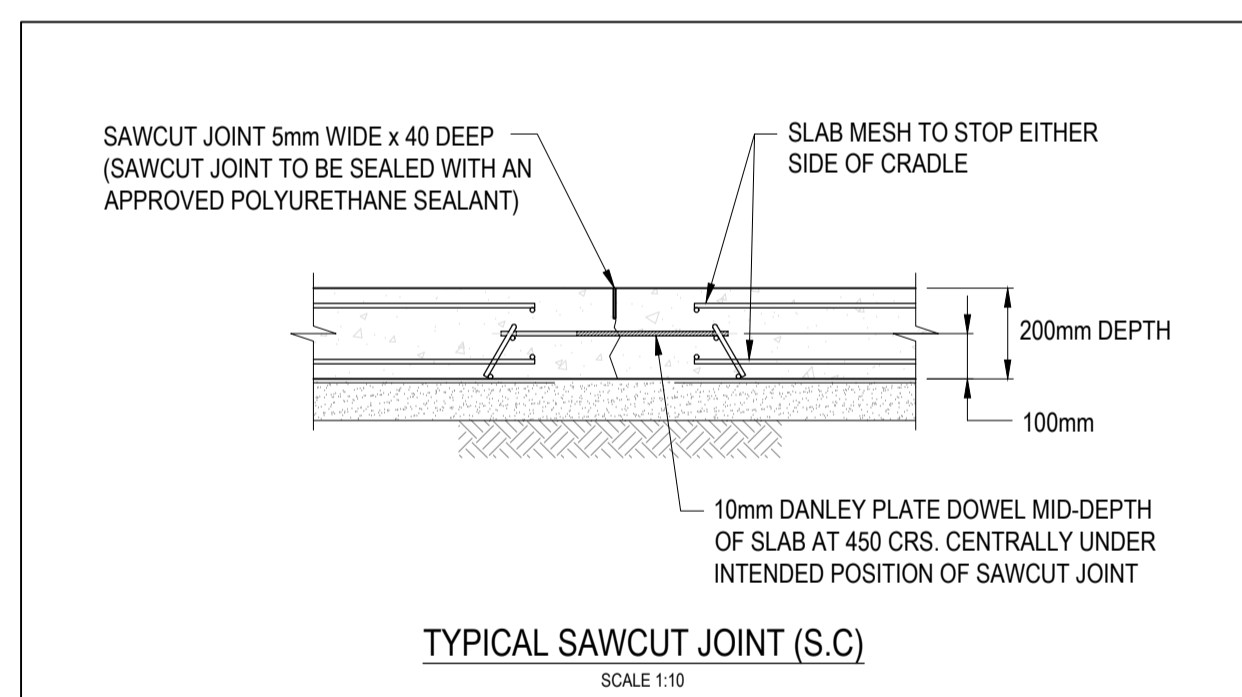
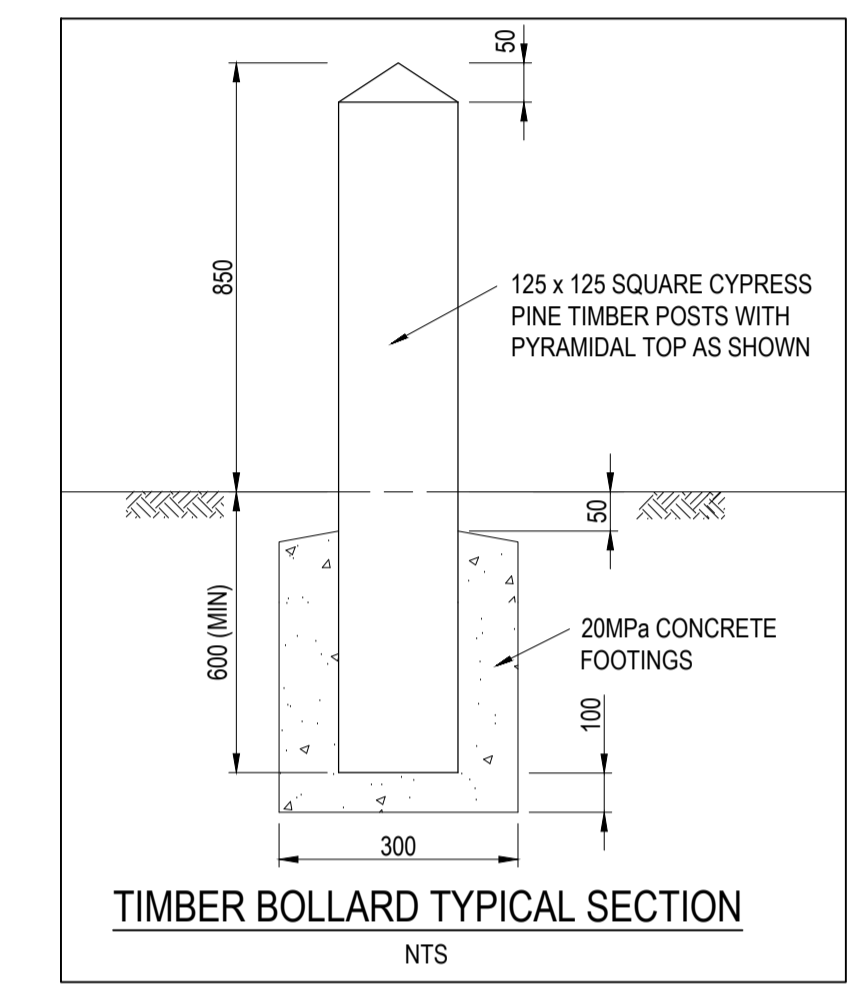
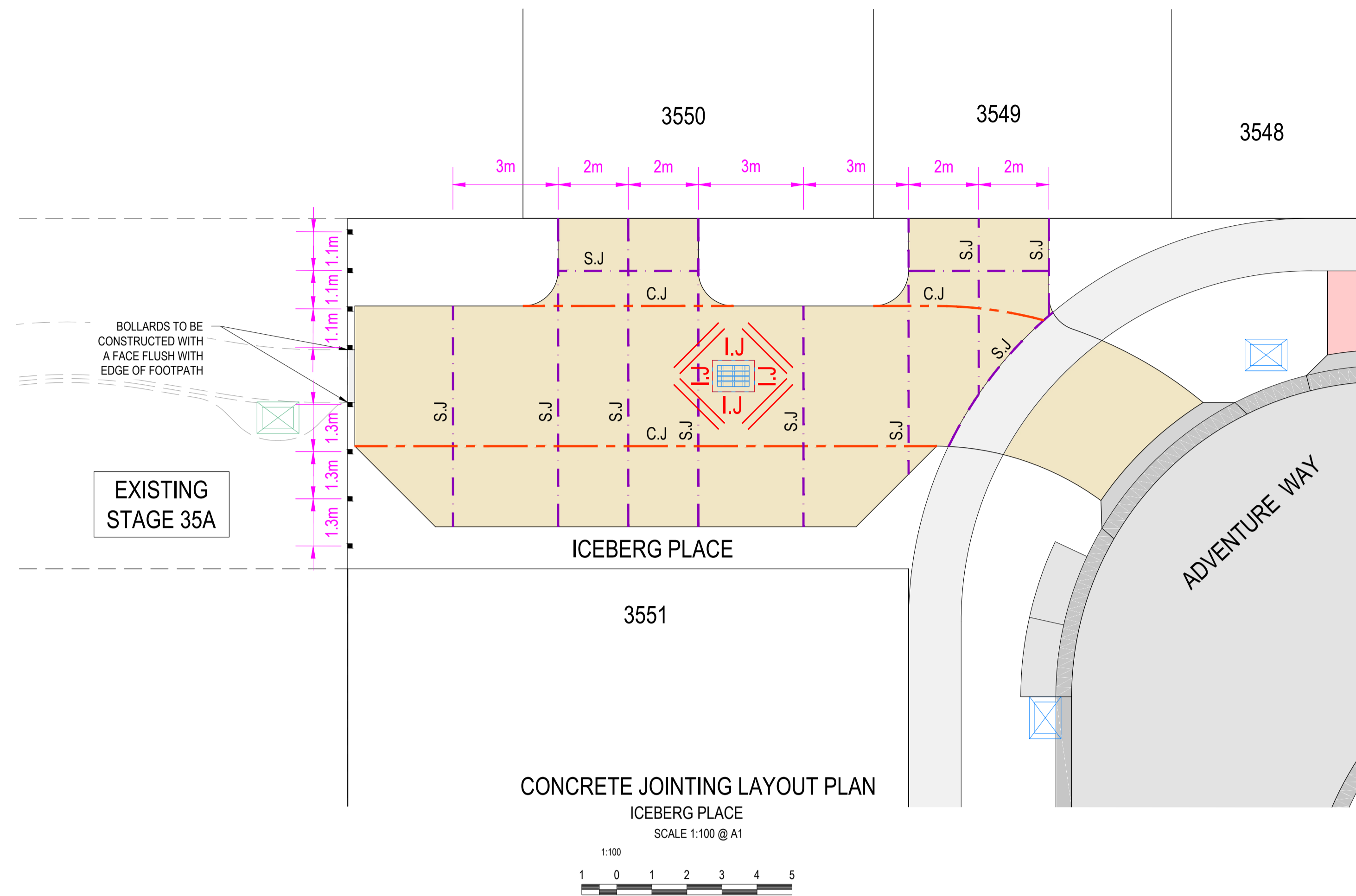
ARMSTRONG - STAGE 35B
SIGNAGE & LINEMARKING

PLANNING PERMIT No: PP-496-2012

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

SCALE @ A1 : 1:500

DESIGNED K.MCKELVIE	PROJECT ENGINEER J.RAMSAY (PE0015586)
DRAWN K.MCKELVIE	PROJECT MANAGER M.TROUNCE
PROJECT No. 180016.35B	DRAWING No. R800
	REVISION B



LEGEND - CONCRETE JOINTING PLAN

- Stormwater Drain, Pit & Property Inlet
- Existing Stormwater Drain
- Sewer & Maintenance Structures
- Existing Sewer
- House Drain
- Tactile Pavers
- Proposed Pavement, Kerb & Channel, Footpath & Driveway

CONCRETE JOINT LEGEND

- I.J. ISOLATION JOINT
- C.J. CONSTRUCTION JOINT
- S.J. SAWCUT JOINT

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	06/12/24	COUNCIL COMMENTS	K.MCKELVIE	J.RAMSAY	M.TROUNCE
A	29/08/24	ISSUED FOR APPROVAL	K.MCKELVIE	J.RAMSAY	M.TROUNCE

villawood properties
 Communities Designed for Living

creo CIVIL
 Suite 1, 2 Bloomsbury Street
 Newtown, VIC, Australia 3220

ARMSTRONG
 AT DUNDEE

**ARMSTRONG - STAGE 35B
 CONCRETE JOINTING PLAN**

PLANNING PERMIT No: PP-496-2012

**ISSUED FOR APPROVAL
 NOT FOR CONSTRUCTION**

SCALE @ A1: 1:100

DESIGNED K.MCKELVIE	PROJECT ENGINEER J.RAMSAY (PE0015586)
DRAWN K.MCKELVIE	PROJECT MANAGER M.TROUNCE
PROJECT No. 180016.35B	DRAWING No. R900
	REVISION B