

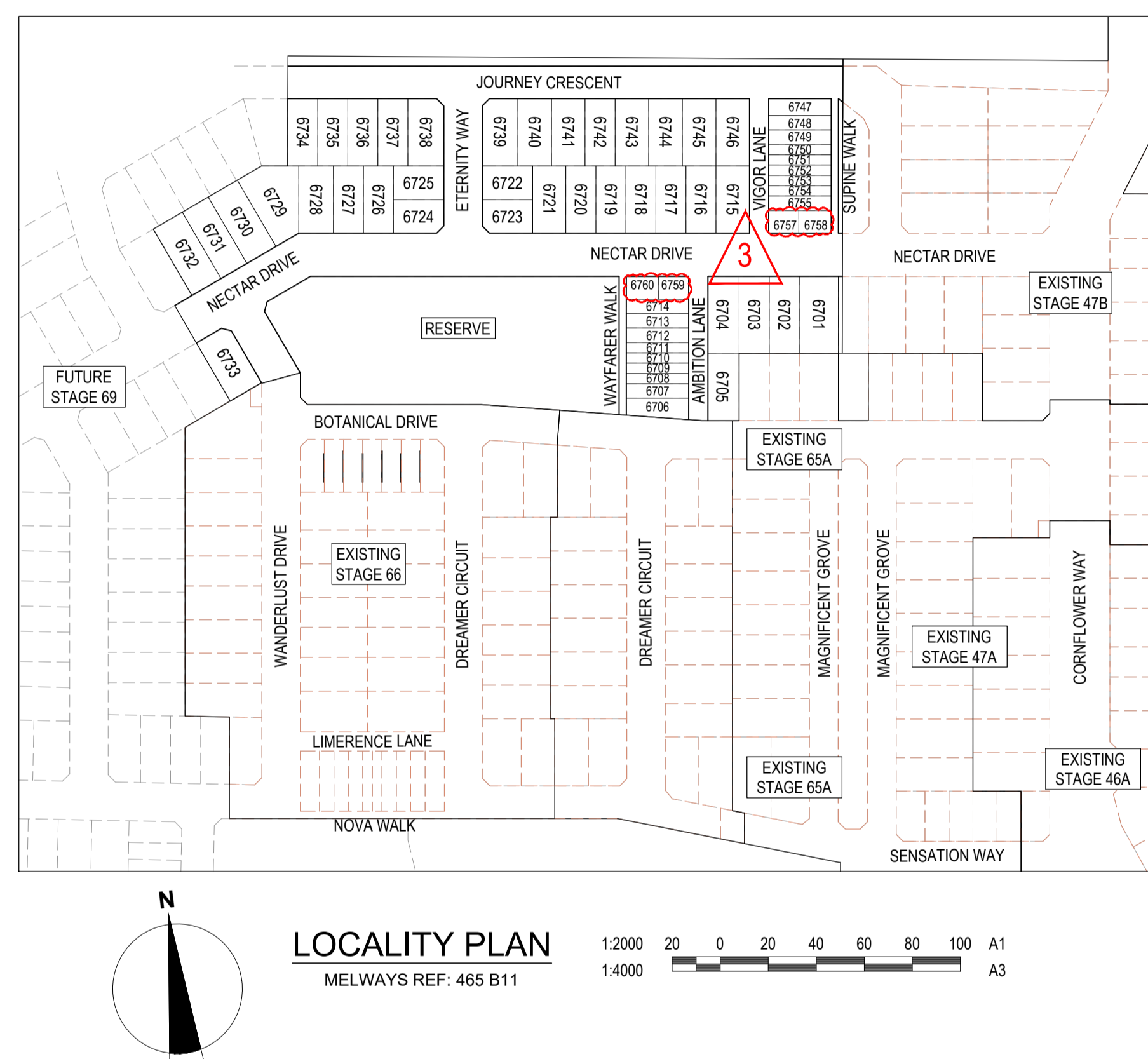
ARMSTRONG

STAGE 67

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 ENVIRONMENT DEPARTMENT.
- ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, 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 STOCKPIILING 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



NOTE:
THE SITE OF WORKS IS SUBJECT TO THE PROVISIONS OF CULTURAL HERITAGE MANAGEMENT PLAN 15548.
ALL WORKS AND PERSONNEL MUST OBSERVE THE REQUIREMENTS OF THE MANAGEMENT PLAN AT ALL TIMES.

SURVEY MARKS AND LOCATIONS		EASTING	NORTHING	RL
TBM12	SPIKE - NE CORNER OF WORKS	265935.145	5766707.817	46.56
TBM14	RIVET IN TOP OF KERB	264828.297	5766566.142	46.31
TBM18	STAR PICKET - LOT 6926, NW CORNER OF JOURNEY CRES	264591.950	5766689.583	54.14
PM	PM (CONEWARRE) NO 111	266829.457	5765296.314	25.400
PM	PM (DUNEED) NO 195	266922.296	5766460.599	38.776
PM	PM (CONEWARRE) NO 96	267095.786	5767424.719	31.704

DRAWING INDEX		
DRAWING NO.	DRAWING TITLE	REVISION
R100	COVER SHEET	3
R200	LAYOUT PLAN	3
R300	INTERSECTION DETAIL PLAN - 1	0
R301	INTERSECTION DETAIL PLAN - 2	0
R400	ROAD LONGITUDINAL SECTIONS - 2	1
R401	ROAD LONGITUDINAL SECTIONS - 2	0
R402	ROAD LONGITUDINAL SECTIONS - 3	2
R500	ROAD CROSS SECTIONS - 1	0
R501	ROAD CROSS SECTIONS - 2	1
R502	ROAD CROSS SECTIONS - 3	1
R503	ROAD CROSS SECTIONS - 4	0
R504	ROAD CROSS SECTIONS - 5	0
R505	ROAD CROSS SECTIONS - 6	0
R506	ROAD CROSS SECTIONS - 7	0
R507	ROAD CROSS SECTIONS - 8	2
R508	ROAD CROSS SECTIONS - 9	2
R600	DRAINAGE LONG SECTIONS - 1	1
R601	DRAINAGE LONG SECTIONS - 2	1
R602	DRAINAGE LONG SECTIONS - 3	1
R603	DRAINAGE LONG SECTIONS - 4	1
R604	PIT SCHEDULE	1
R700	TYPICAL SECTIONS & DETAILS	1
R800	SIGNAGE & LINEMARKING PLAN	1
R900	CONCRETE JOINTING & DETAIL PLAN - AMBITION LANE	2
R901	CONCRETE JOINTING & DETAIL PLAN - VIGOR LANE	2
R902	WAYFARER WALK DETAIL PLAN	1
R903	SUPINE WALK DETAIL PLAN	1
R1000	DRAINAGE LAYOUT PLAN	2
R1100	SIGHT DISTANCE - LAYOUT	1
R1101	SIGHT DISTANCE - SECTIONS	0

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

P:\2018\80016 - VILLAWOOD ARMSTRONG\80016 67\DWG\12 DRAWING\CAD\80016 67 - R100 - COVER SHEET.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
3	21/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood
properties
Communities Designed for Living

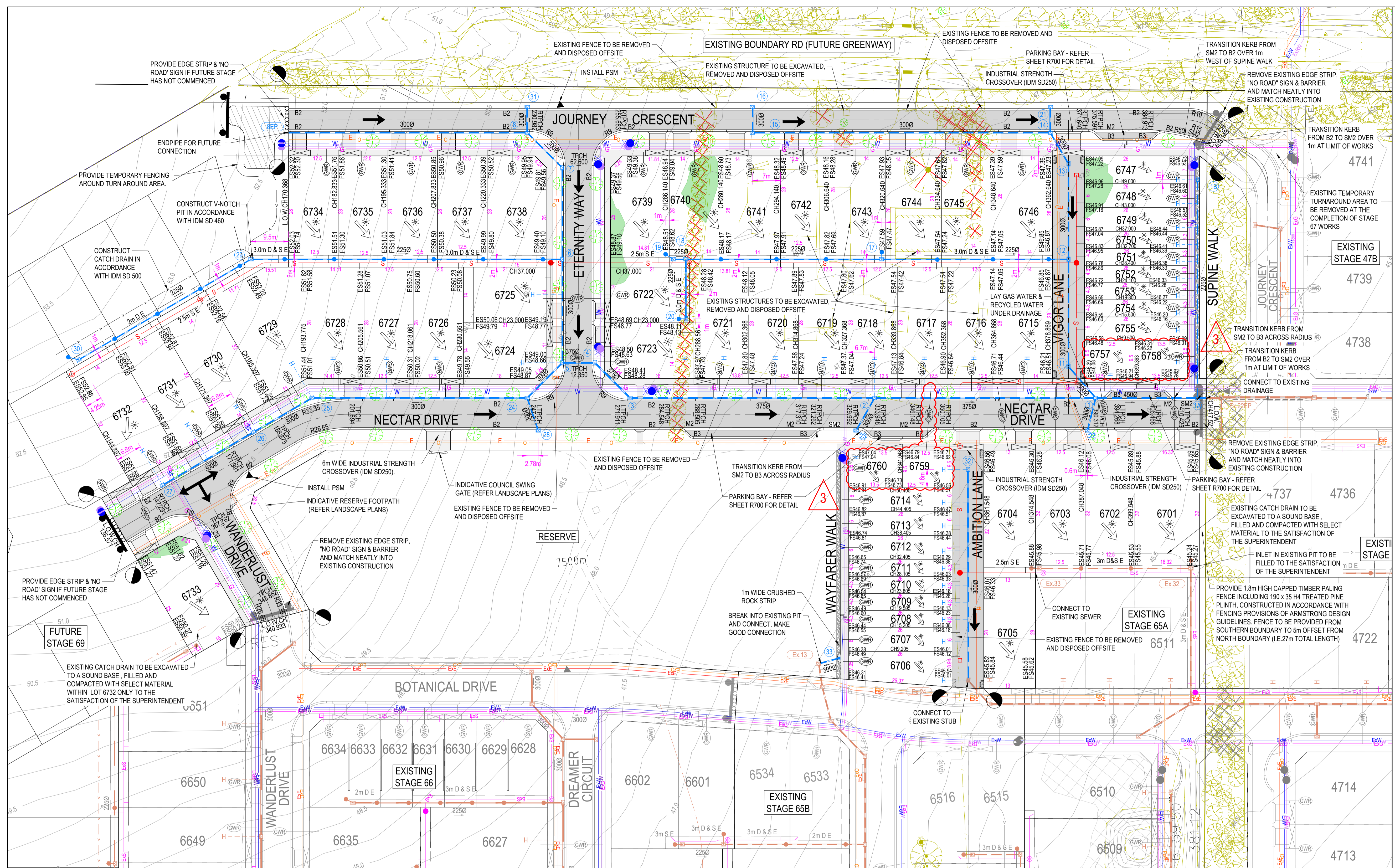
creo
CONSULTANTS
Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

ARMSTRONG
BY DUNEED

DRAWING TITLE
**ARMSTRONG - STAGE 67
COVER SHEET**

STATUS
**ISSUED FOR
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
1:2000 @ A1	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R100	3



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

- 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.
 - LOTS WITH FRONTAGES OF 12.50m OR LESS ARE TO BE PROVIDED WITH CROSSOVERS OF MAXIMUM 3.50m WIDTH.

WARNING
BWARE 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

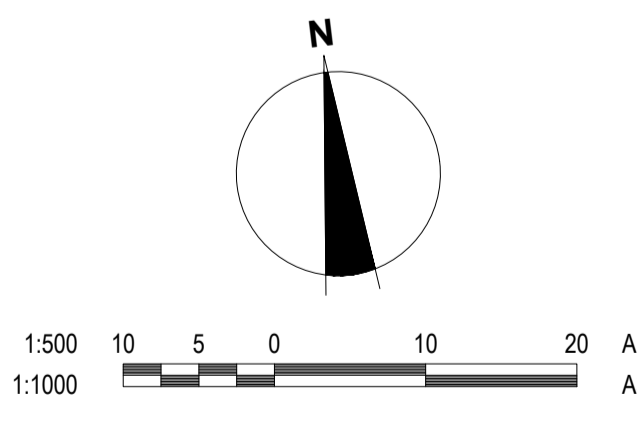
LEGEND - FUNCTIONAL LAYOUT PLAN

- PROPOSED ELECTRICITY (UNDERGROUND)
- PROPOSED GAS
- PROPOSED OPTIC FIBRE
- PROPOSED TELSTRA
- PROPOSED WATER
- PROPOSED RECYCLED WATER
- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- TRUNK SEWER
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- STRUCTURAL FILL (>200mm)
- BUILDING ENVELOPES
- PAVEMENT TREATMENT
- CRUSHED ROCK
- 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 DRIVEWAY
- VEHICLE EXCLUSION FENCE
- TOP OF BATTER
- RIDGE LINE

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
WANDERLUST DRIVE	W	2.10	W	2.50	W	3.20	E	1.80	E	2.50	E	1.00*
NECTAR DRIVE	N	2.10	N	2.55	N	3.20	S	1.80	S	2.50	S	1.00*
ETERNITY WAY	E	2.10	E	2.50	E	3.10	W	1.80	W	2.50	W	1.00*
JOURNEY CRESCENT	S	1.80	S	2.40	S	3.20	S	4.10	S	4.80	S	1.00*
VIGOR LANE	-	-	-	-	-	-	W	1.20	W	1.80	-	-
SUPINE WALK	W	0.50	W	1.00	W	1.70	-	-	-	-	-	-
AMBITION LANE	-	-	-	-	-	-	E	1.20	E	1.80	-	-
WAYFARER WALK	E	0.50	E	1.00	E	1.70	-	-	-	-	-	-

1. * DENOTES OFFSET FROM BACK OF KERB.



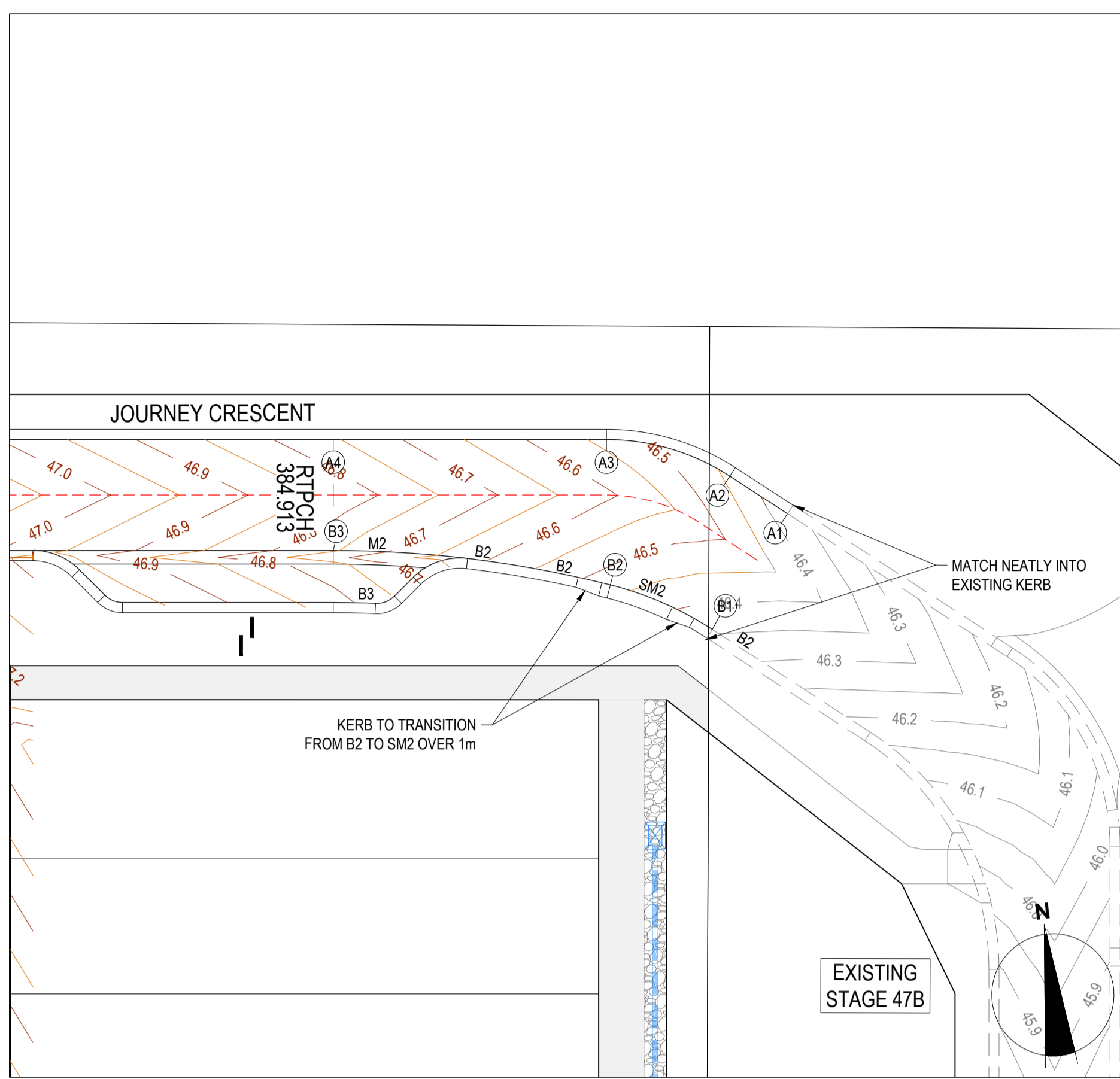
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
3	21/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	29/10/21	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
D	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
C	15/09/21	TENDER ISSUE	C.R.	M.T.	T.P.
B	31/08/21	ISSUED TO CLIENT	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



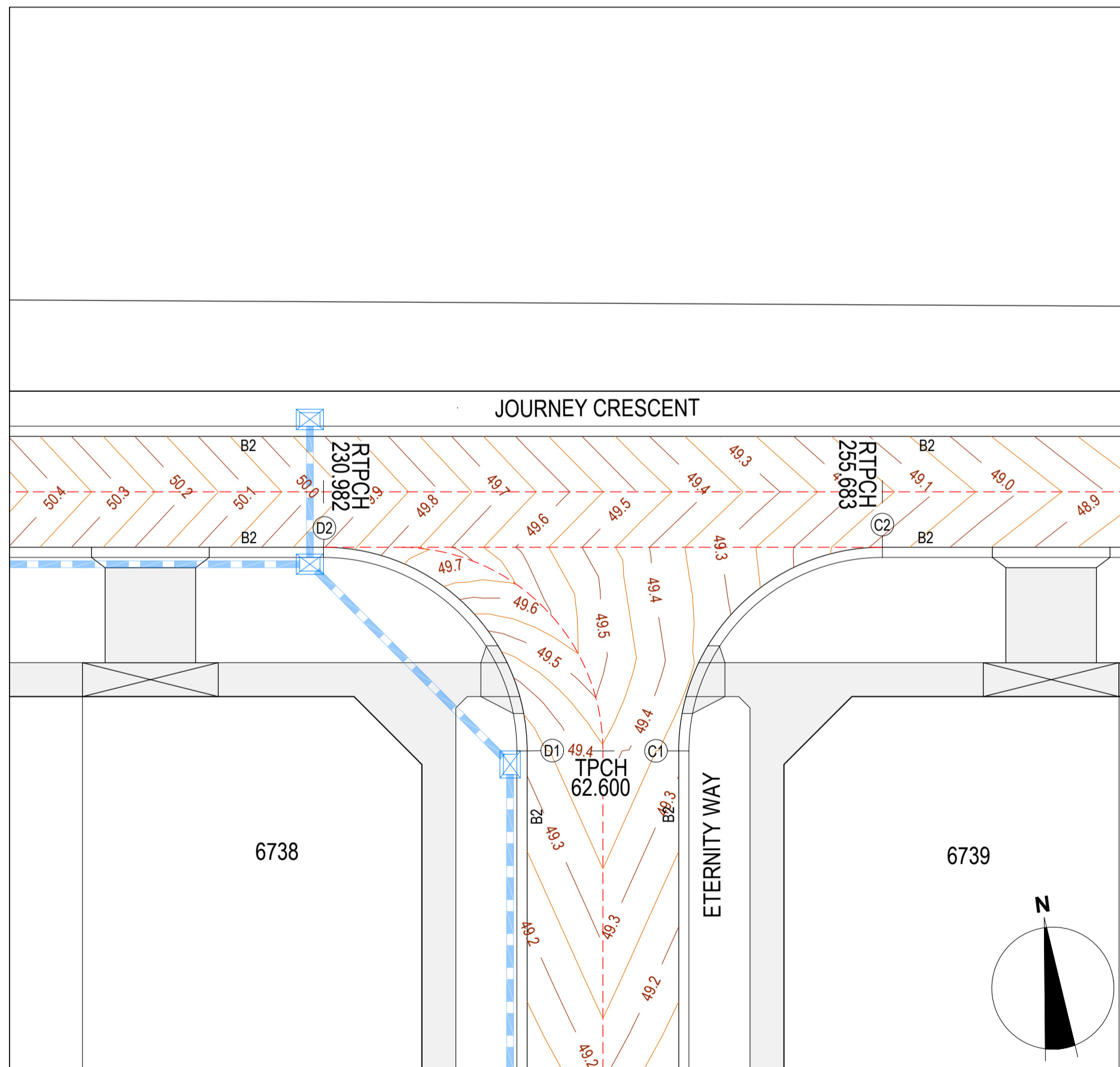
ARMSTRONG - STAGE 67 LAYOUT PLAN

ISSUED FOR CONSTRUCTION

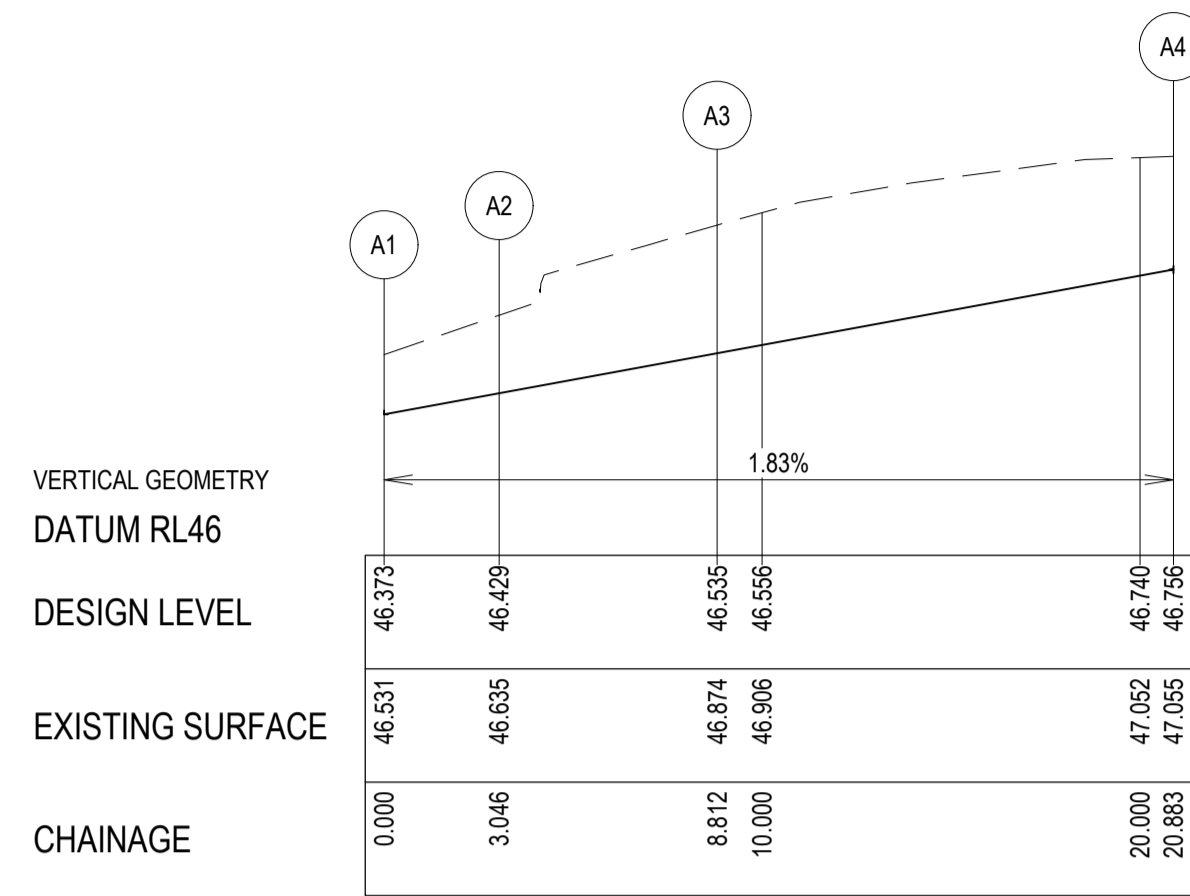
SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R200	3



JOURNEY CRESCENT BEND
1:200
1:400



ETERNITY WAY INTERSECTION
1:200
1:400



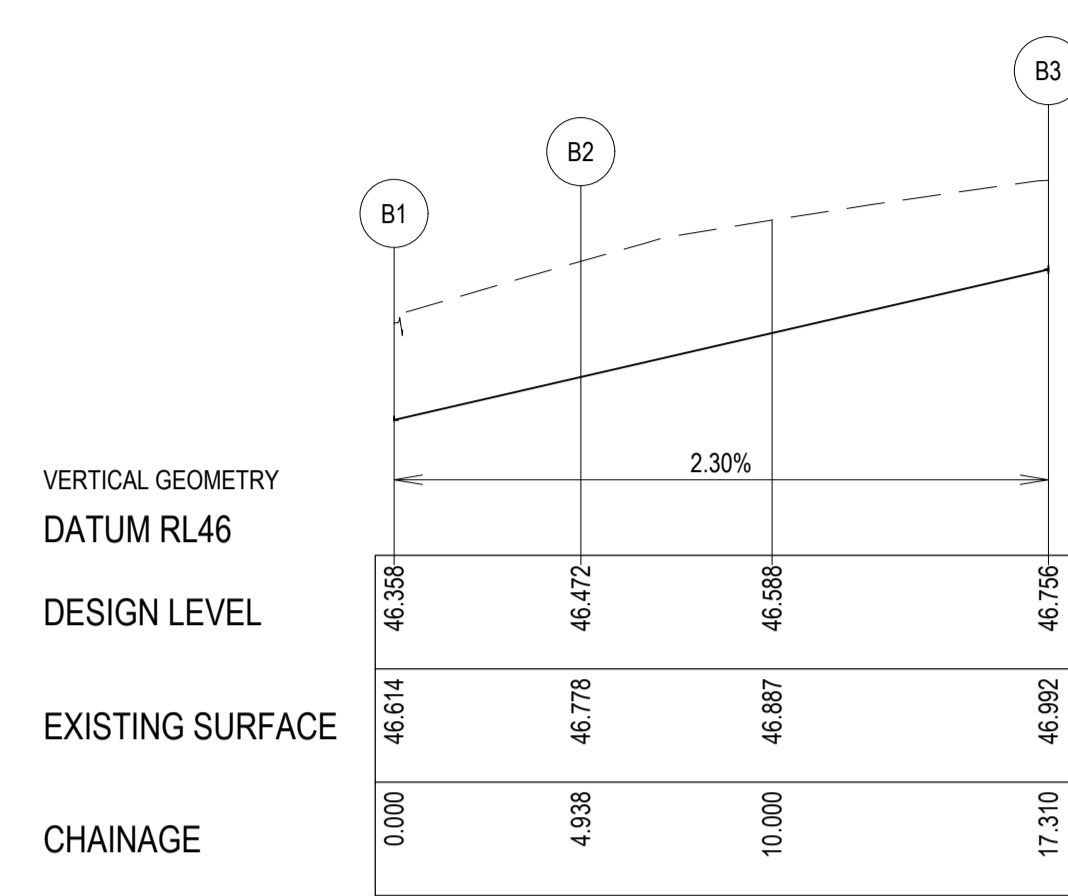
VERTICAL GEOMETRY
DATUM RL46
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

LIP LINE A

LIP LINE A - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
A1	264937.363	5766697.261	46.373
A2	264935.025	5766699.213	46.429
A3	264929.804	5766701.466	46.535
A4	264917.819	5766702.899	46.756

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL	
A2 - A3		33.038	10	5.766	0.413	0.309	1.437	1.407	1.442	46.482



VERTICAL GEOMETRY
DATUM RL46
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

LIP LINE B

LIP LINE B - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
B1	264933.454	5766692.578	46.358
B2	264929.215	5766695.067	46.472
B3	264917.237	5766698.034	46.756

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL	
B1 - B2		18.862	15	4.938	0.203	0.152	1.233	1.225	1.234	46.415
B2 - B3		14.177	50	12.372	0.382	0.287	3.091	3.079	3.093	46.614

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

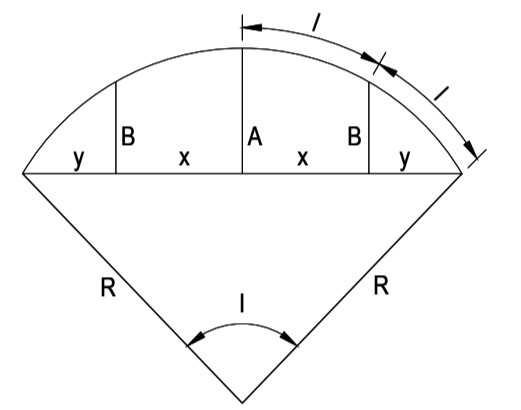
LEGEND - INTERSECTION PLAN

 STORMWATER DRAIN, PIT & PROPERTY INLET
 MAJOR CONTOUR - 0.1m
 MINOR CONTOUR - 0.05m
 CROWN / GRADE LINE

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

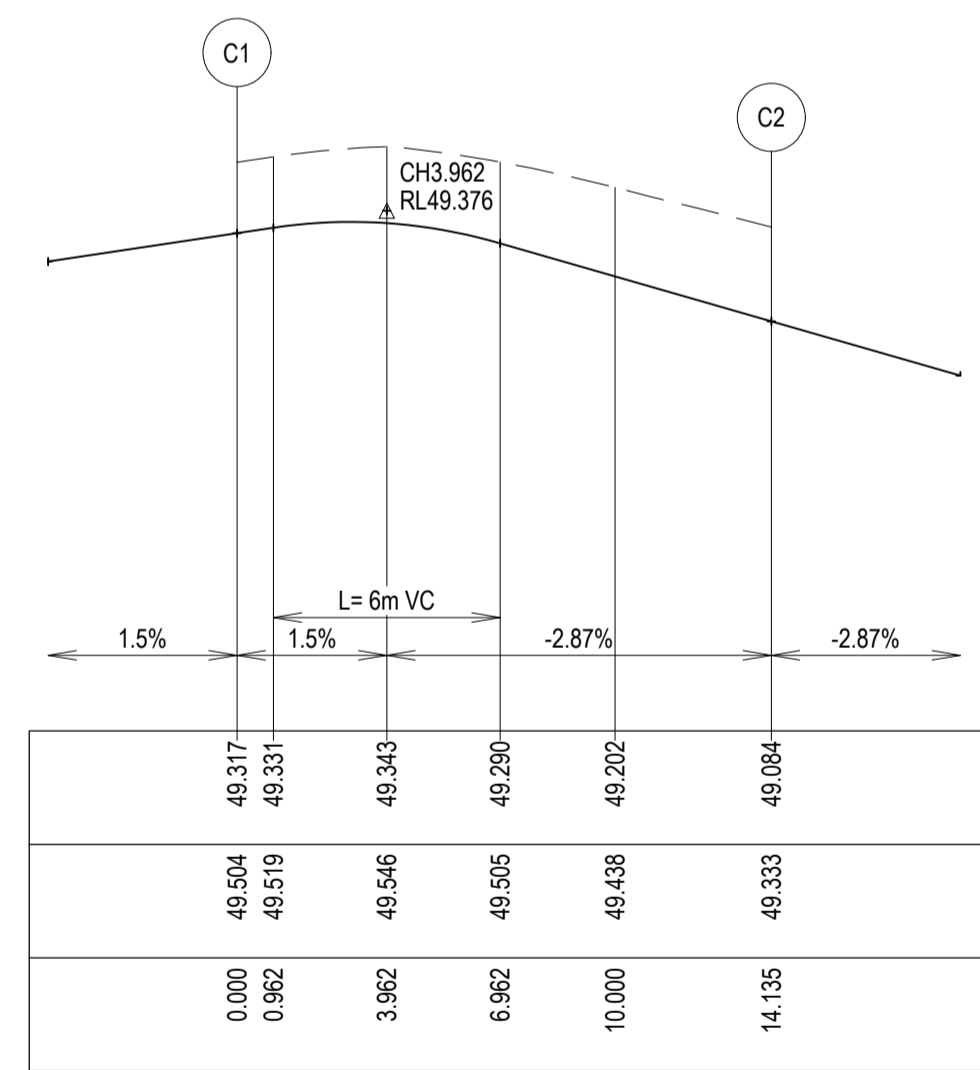
LEGEND

 EXISTING SURFACE
 DESIGN LINE



LIP PROFILE SETOUT

1:200
1:400
HORIZONTAL
1:20
1:40
VERTICAL



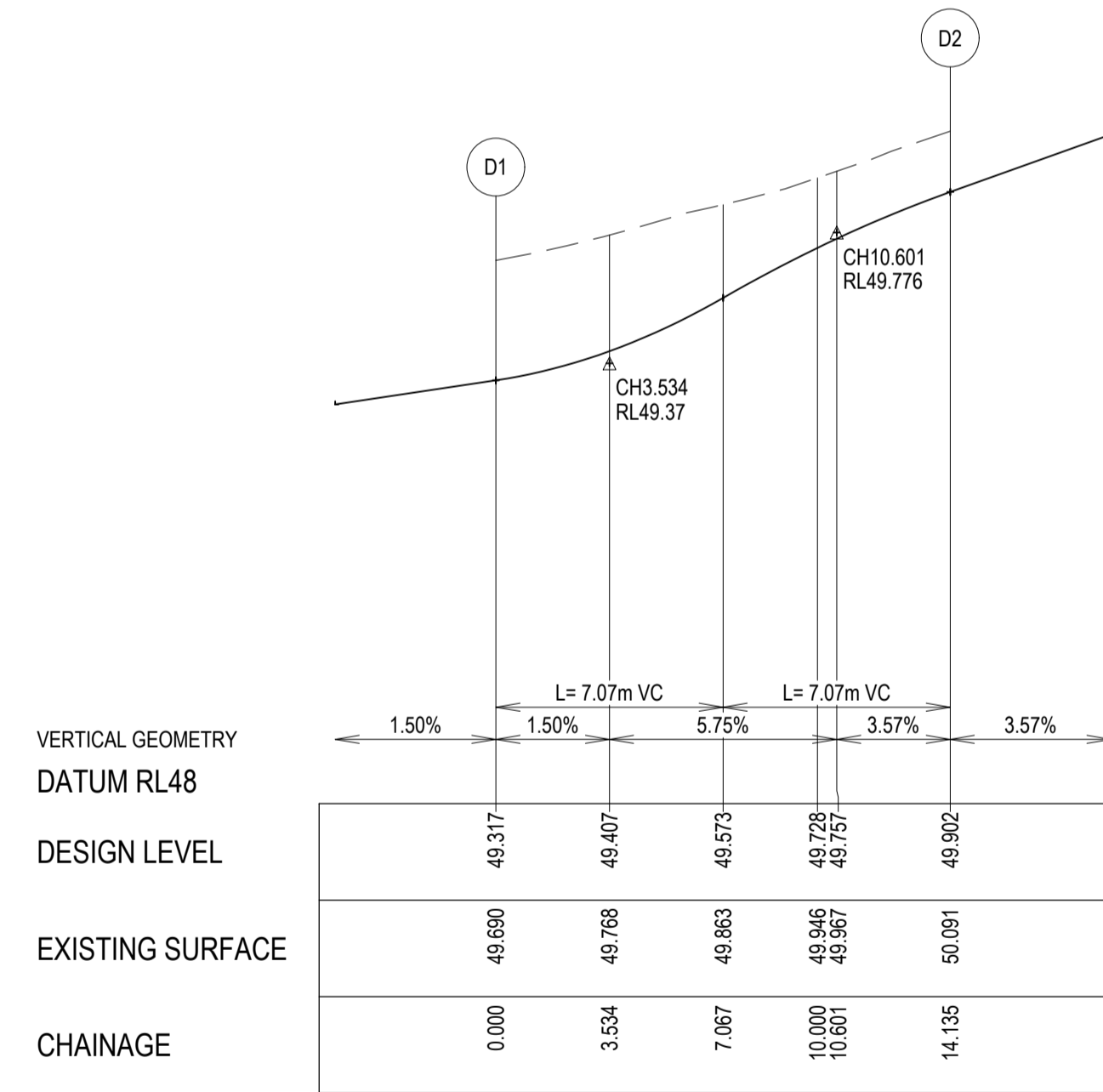
VERTICAL GEOMETRY
DATUM RL48
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

LIP LINE C

LIP LINE C - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
C1	264778.916	5766705.514	49.317
C2	264788.921	5766713.379	49.084

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL	
C1 - C2		89.982	9	14.135	2.635	1.95	3.444	2.92	3.534	49.287



VERTICAL GEOMETRY
DATUM RL48
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

LIP LINE D

LIP LINE D - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
D1	264772.263	5766706.309	49.317
D2	264764.395	5766716.312	49.902

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL	
D1 - D2		89.986	9	14.135	2.635	1.95	3.444	2.92	3.534	49.573

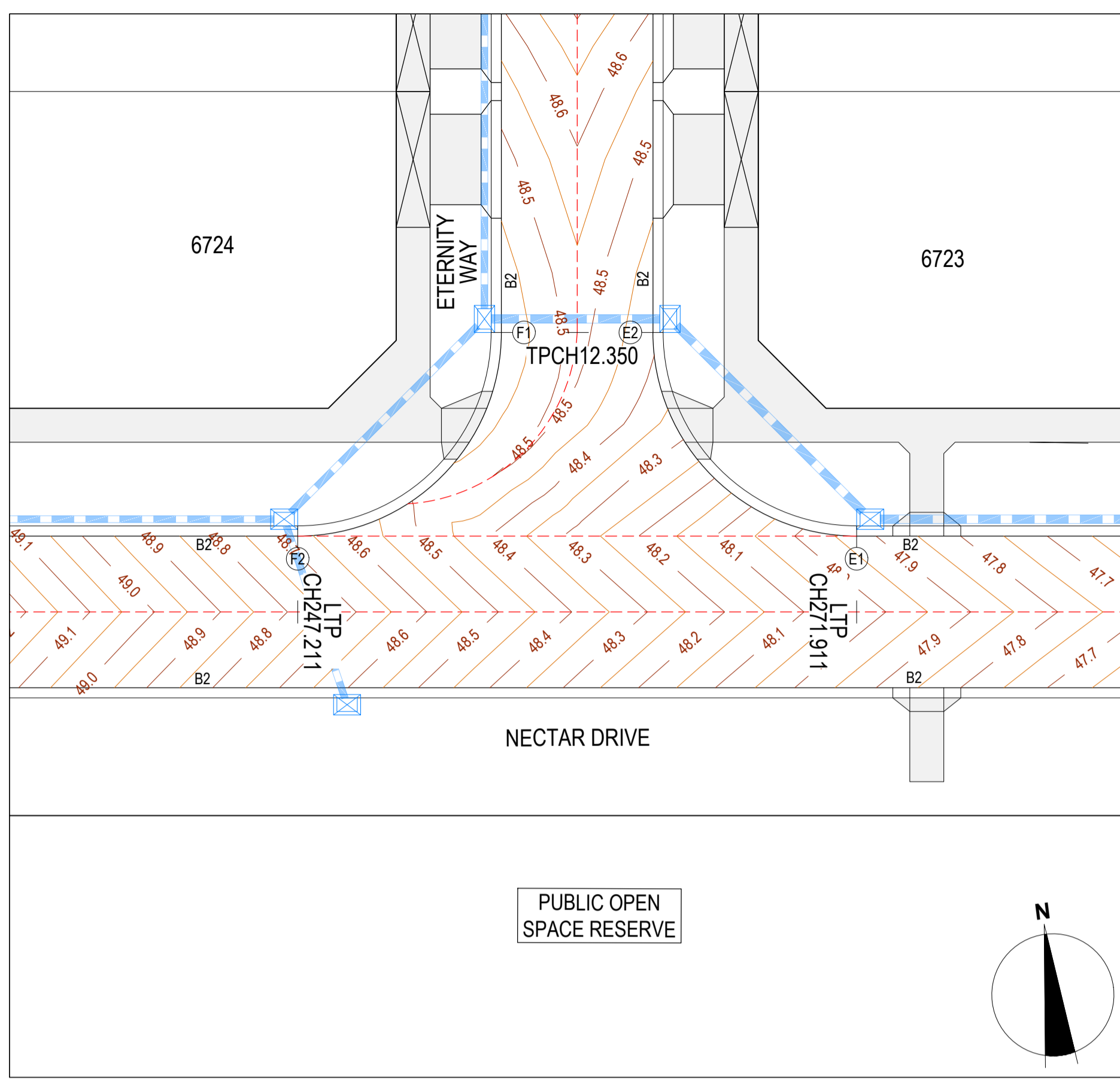
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



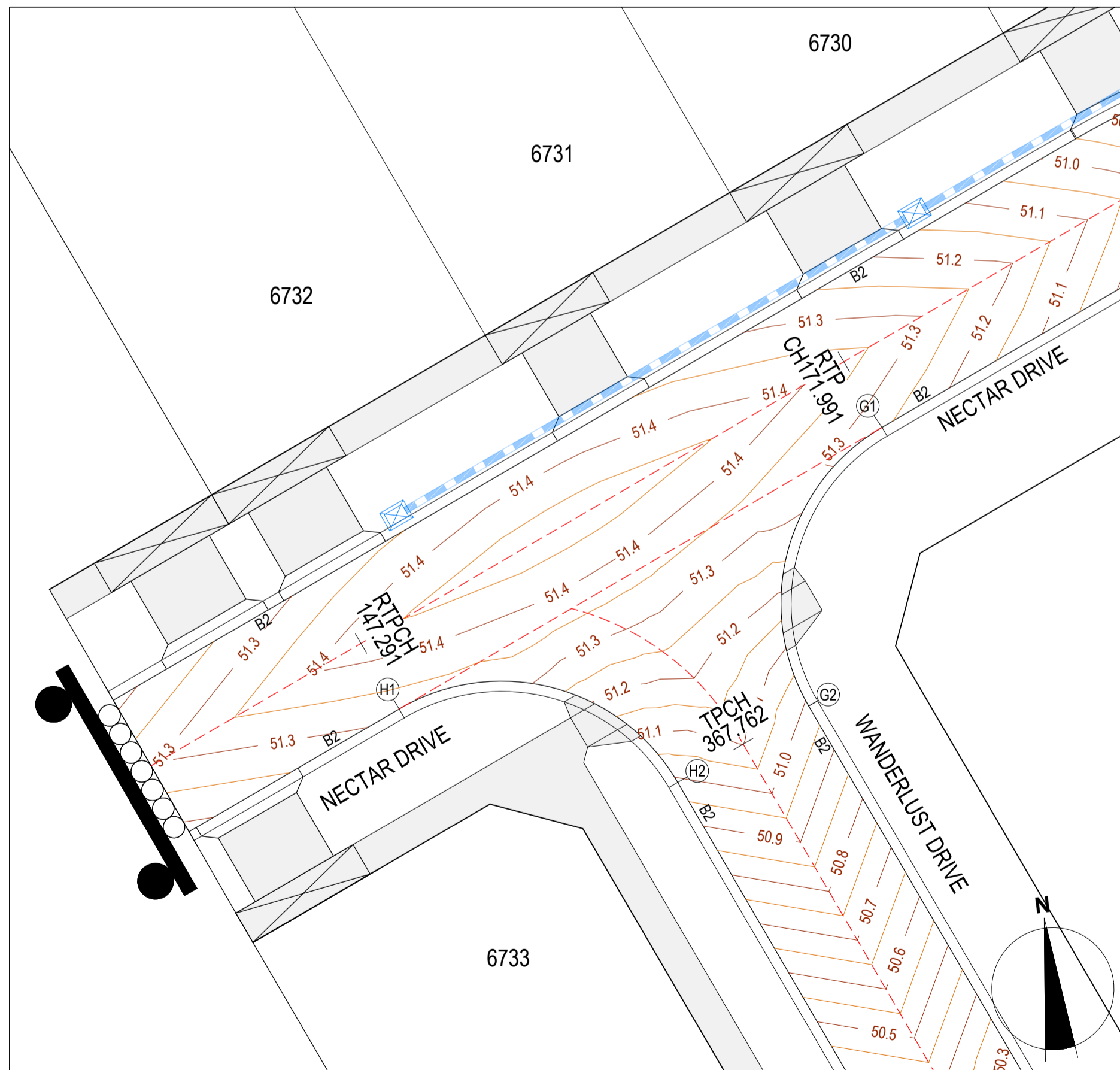
DRAWING TITLE
**ARMSTRONG - STAGE 67
 INTERSECTION DETAIL PLAN - 1**

STATUS
**ISSUED FOR
 CONSTRUCTION**

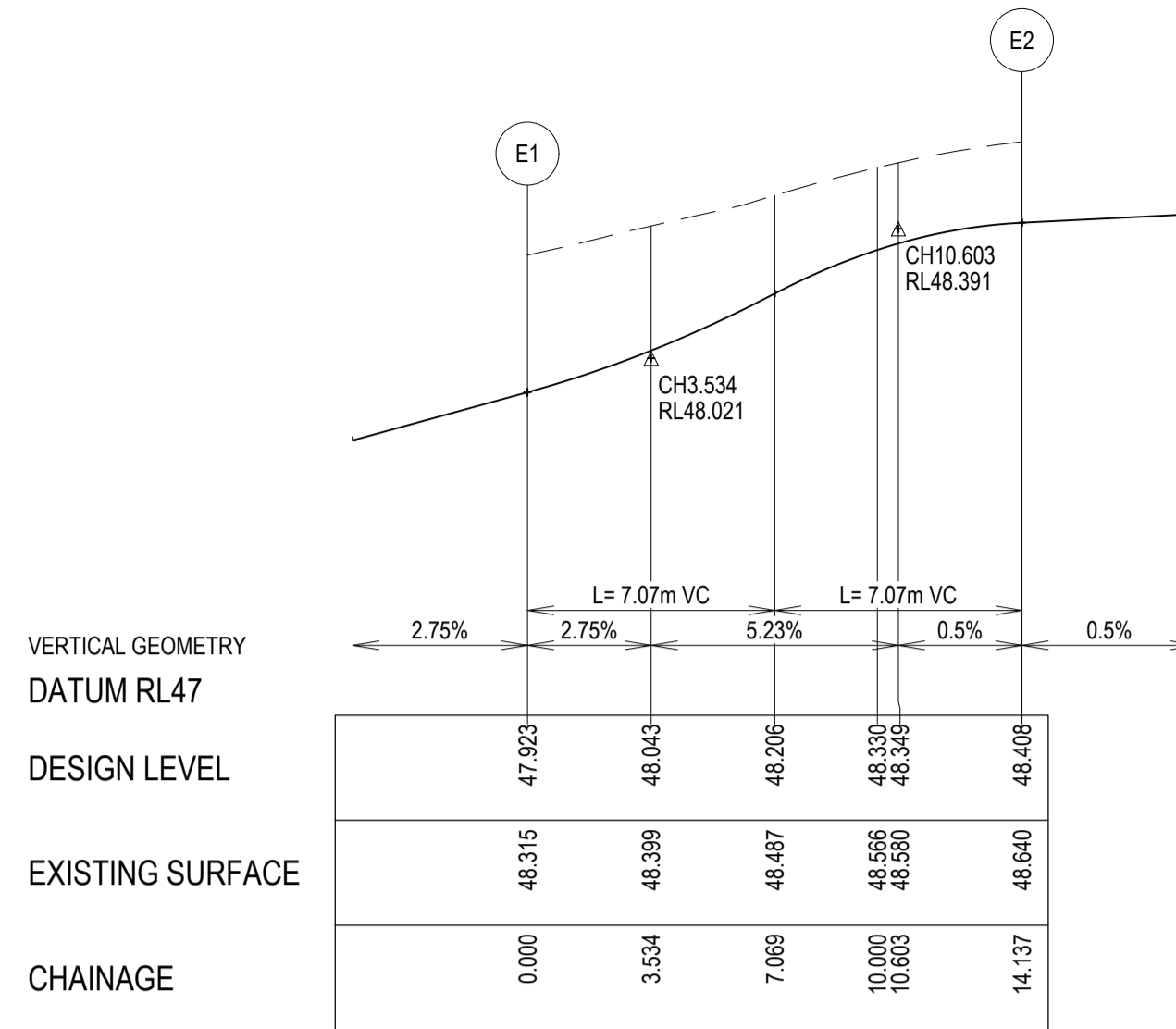
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R300	0



NECTAR DRIVE INTERSECTION
 1:200 A1
 1:400 A3



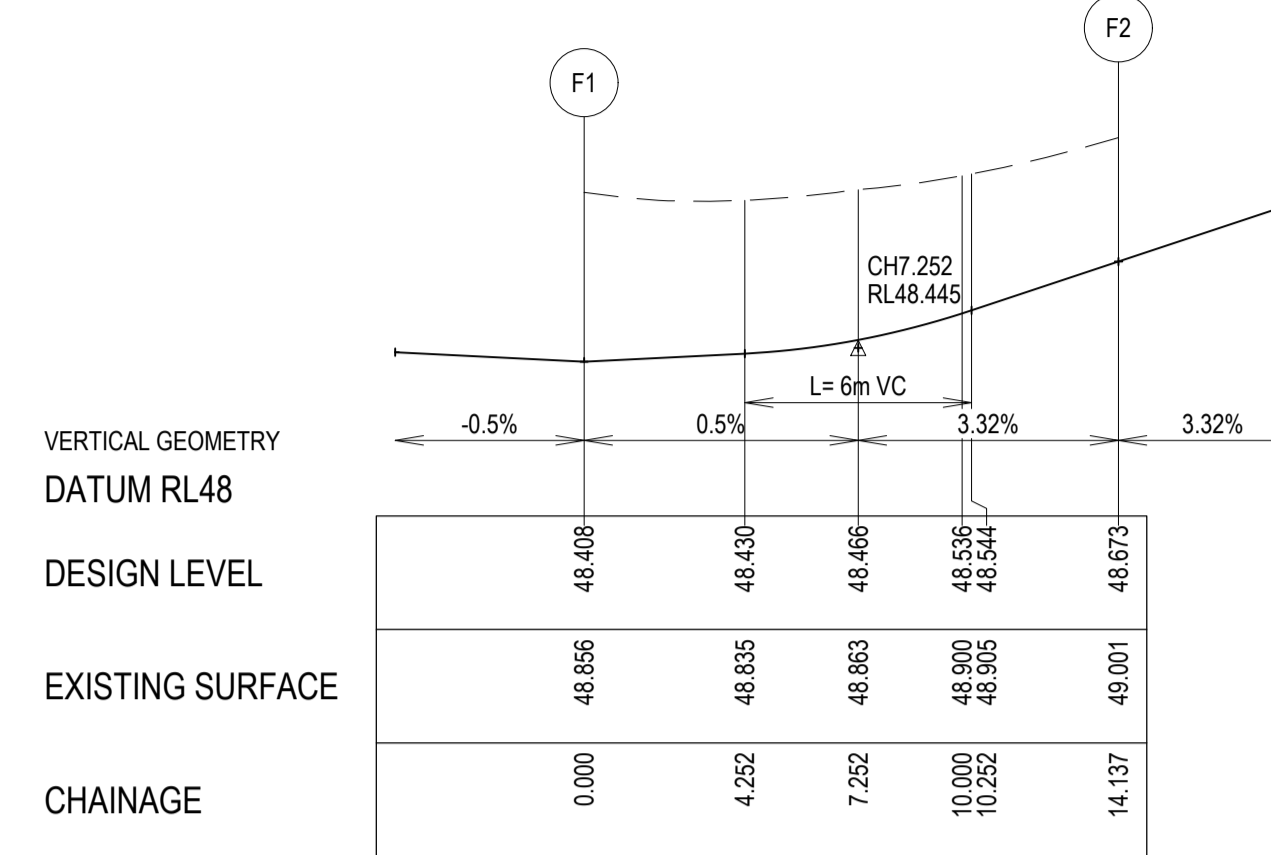
WANDERLUST DRIVE INTERSECTION
 1:200 A1
 1:400 A3



LIP LINE E - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
E1	264780.816	5766645.612	47.923
E2	264772.949	5766655.617	48.408

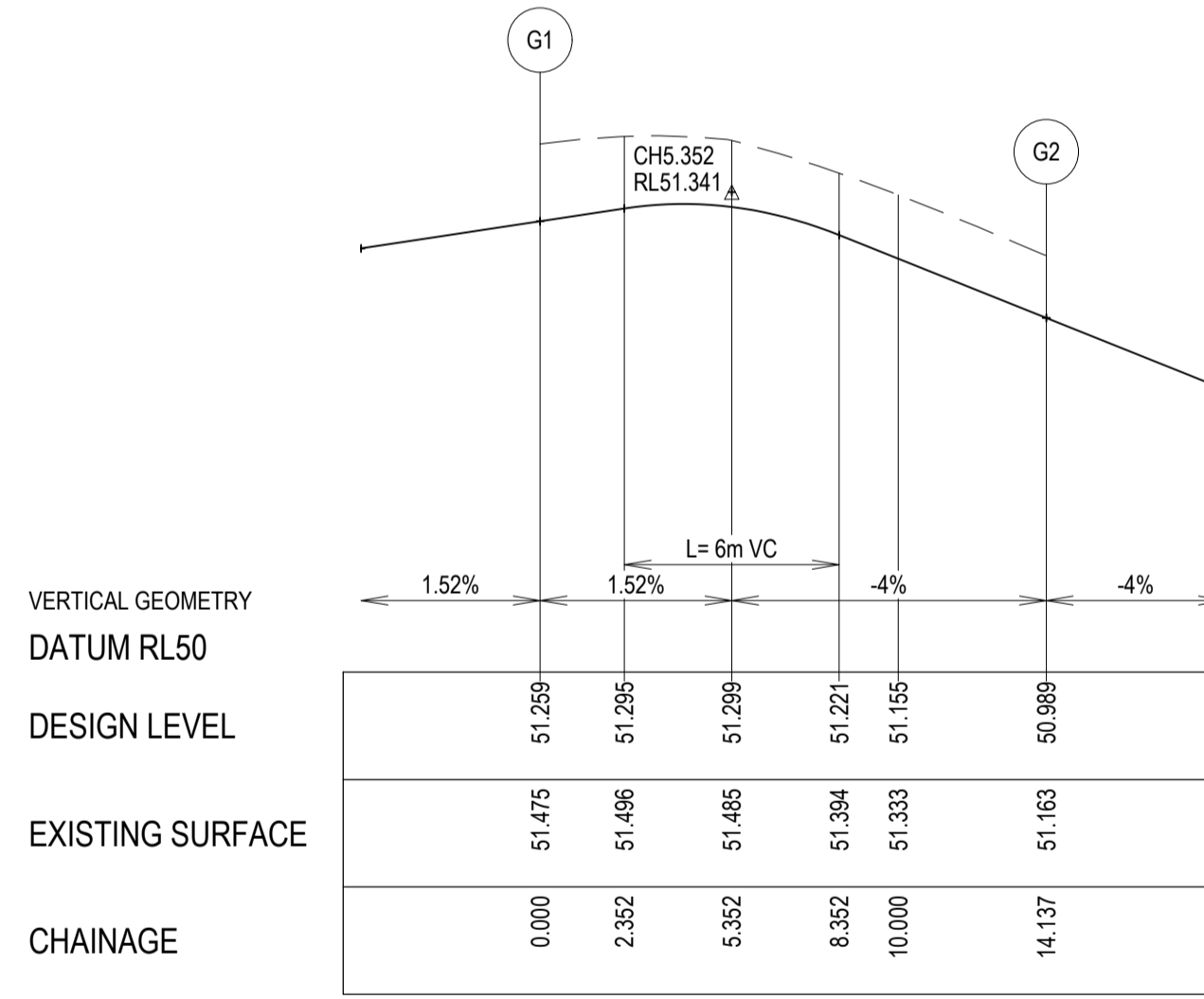
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
E1-E2	90	9	14.137	2.636	1.951	3.444	2.92	3.534	48.206



LIP LINE F - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
F1	264766.296	5766656.413	48.408
F2	264756.291	5766648.545	48.673

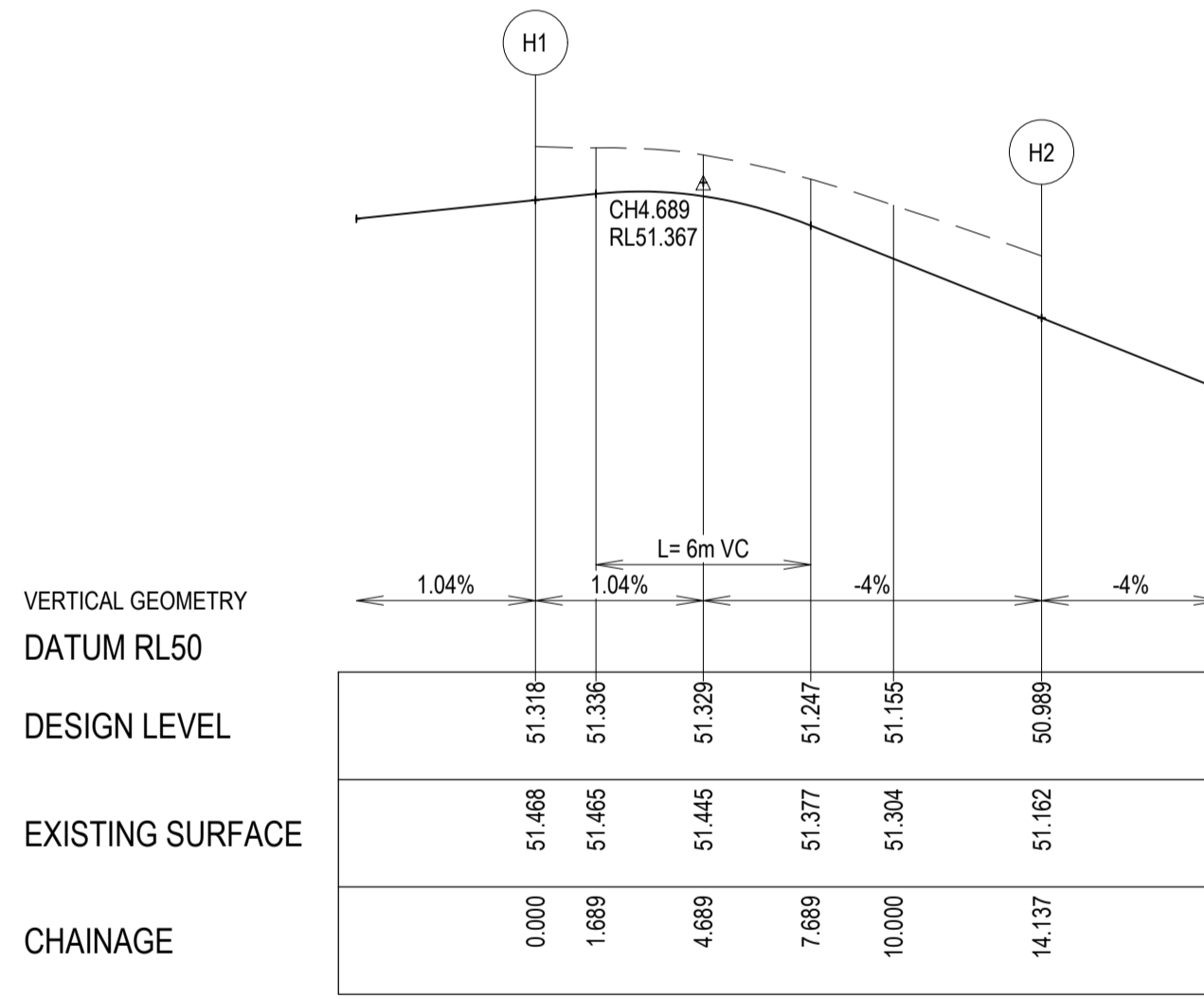
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
F1-F2	90	9	14.137	2.636	1.951	3.444	2.92	3.534	48.462



LIP LINE G - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
G1	264683.818	5766639.776	51.259
G2	264679.139	5766627.94	50.989

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
G1-G2	90	9	14.137	2.636	1.951	3.444	2.92	3.534	51.264



LIP LINE H - SETOUT DETAILS

PT NO	EASTING	NORTHING	RL
H1	264661.155	5766629.955	51.318
H2	264672.991	5766625.276	50.989

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
H1-H2	90	9	14.137	2.636	1.951	3.444	2.92	3.534	51.27

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

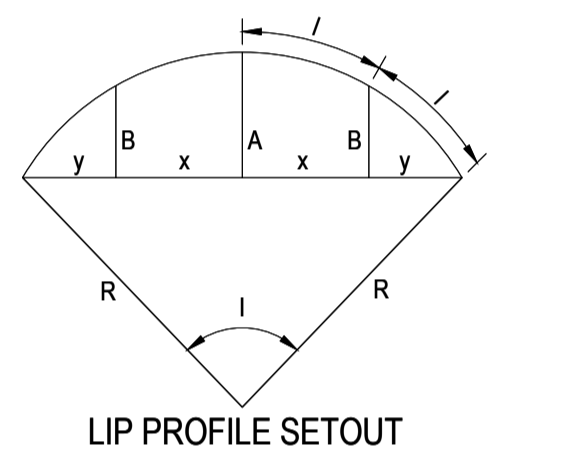
LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- CROWN / GRADE LINE

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

LEGEND

- EXISTING SURFACE
- DESIGN LINE



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

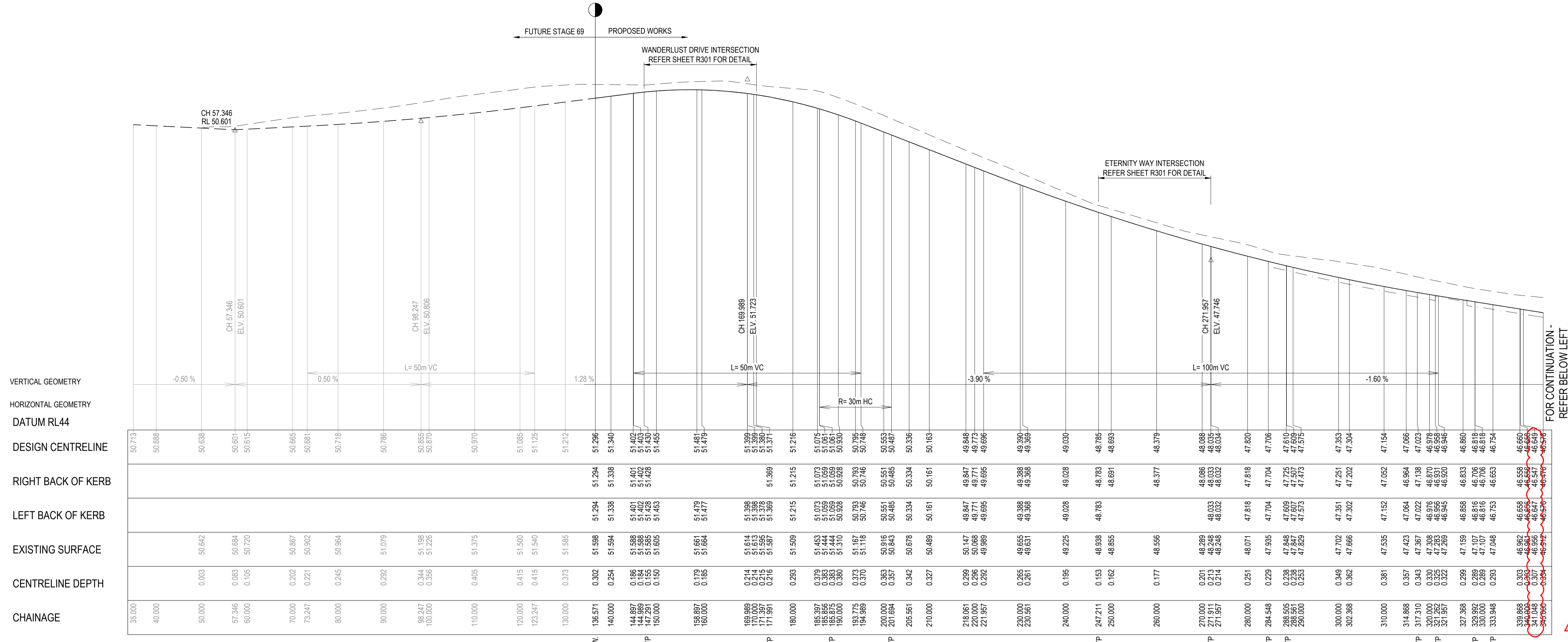
creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 MT DUNNEED

ARMSTRONG - STAGE 67
INTERSECTION DETAIL PLAN - 2

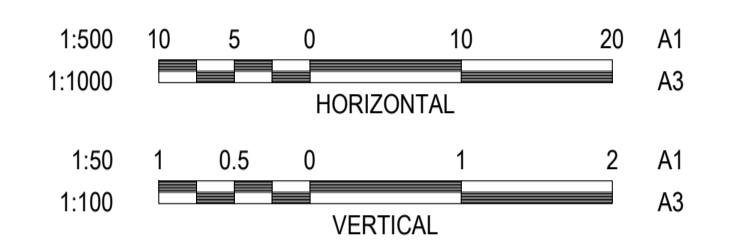
ISSUED FOR CONSTRUCTION

SCALE AT A1	AS SHOWN	DRAWN	M.TROUNCE	DESIGNED	M.TROUNCE
PROJECT ENGINEER	M. TROUNCE	PROJECT MANAGER	T. PALIOS	DATE FIRST ISSUE	JULY 2021
PROJECT No.	180016.67	DRAWING No.	R301	REVISION	0

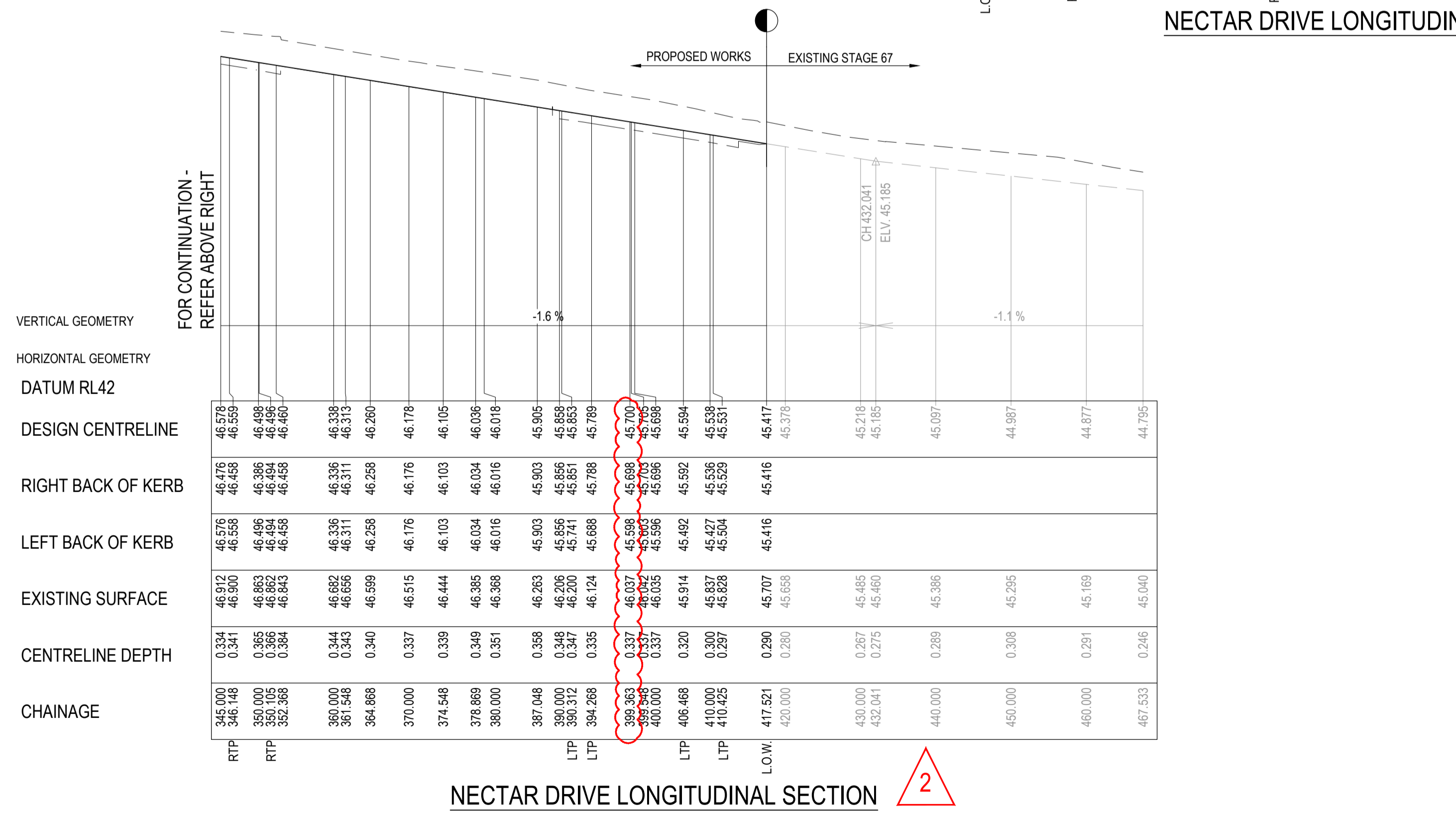


LEGEND

- EXISTING SURFACE
- DESIGN LINE
- - - FUTURE DESIGN LINE
- - - LEFT BACK OF KERB
- - - RIGHT BACK OF KERB



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



NECTAR DRIVE CENTRELINE SETOUT

CHAINAGE	EASTING	NORTHING	BEARING
136.555	264649.972	5766628.760	66°34'18" IP
185.856	264695.208	5766648.363	66°34'18" TC
186.957	264696.226	5766648.782	68°40'21"
189.130	264698.277	5766649.498	72°49'28"
191.304	264700.376	5766650.064	76°58'35"
193.478	264702.510	5766650.477	81°07'42"
195.652	264704.668	5766650.734	85°16'48"
197.826	264706.839	5766650.835	89°25'55"
200.000	264709.012	5766650.777	93°35'02"
201.694	264710.699	5766650.624	96°49'11" CT
300.000	264808.309	5766638.950	96°49'11"
400.000	264907.601	5766627.076	96°49'11"
417.521	264924.999	5766624.995	96°49'11" IP

--- IP DETAILS ---

IP 1
 COORDINATE = 264649.9717 5766628.7605
 CHAINAGE = 136.5553

IP 2
 COORDINATE = 264702.6480 5766651.5866
 CENTRE = 264707.1364 5766620.8360
 RADIUS = 30.0000
 LENGTH = 15.8379
 INTERSECT ANGLE = 30°14'54"

START TANGENT
 COORDINATE = 264695.2083 5766648.3628
 LENGTH = 8.1082
 CHAINAGE = 185.8564
 BEARING = 66°34'18"

END TANGENT
 COORDINATE = 264710.6988 5766650.6238
 LENGTH = 8.1082
 CHAINAGE = 201.6943
 BEARING = 96°49'11"

IP 3
 COORDINATE = 264924.9988 5766624.9952
 CHAINAGE = 417.5214

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	21/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

DRAWING TITLE

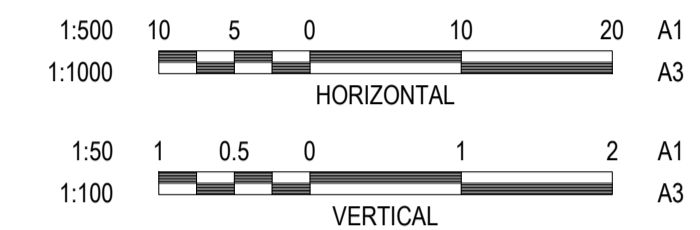
ARMSTRONG - STAGE 67
ROAD LONGITUDINAL SECTIONS - 2

STATUS

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R400	2

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	LEFT BACK OF KERB
	RIGHT BACK OF KERB

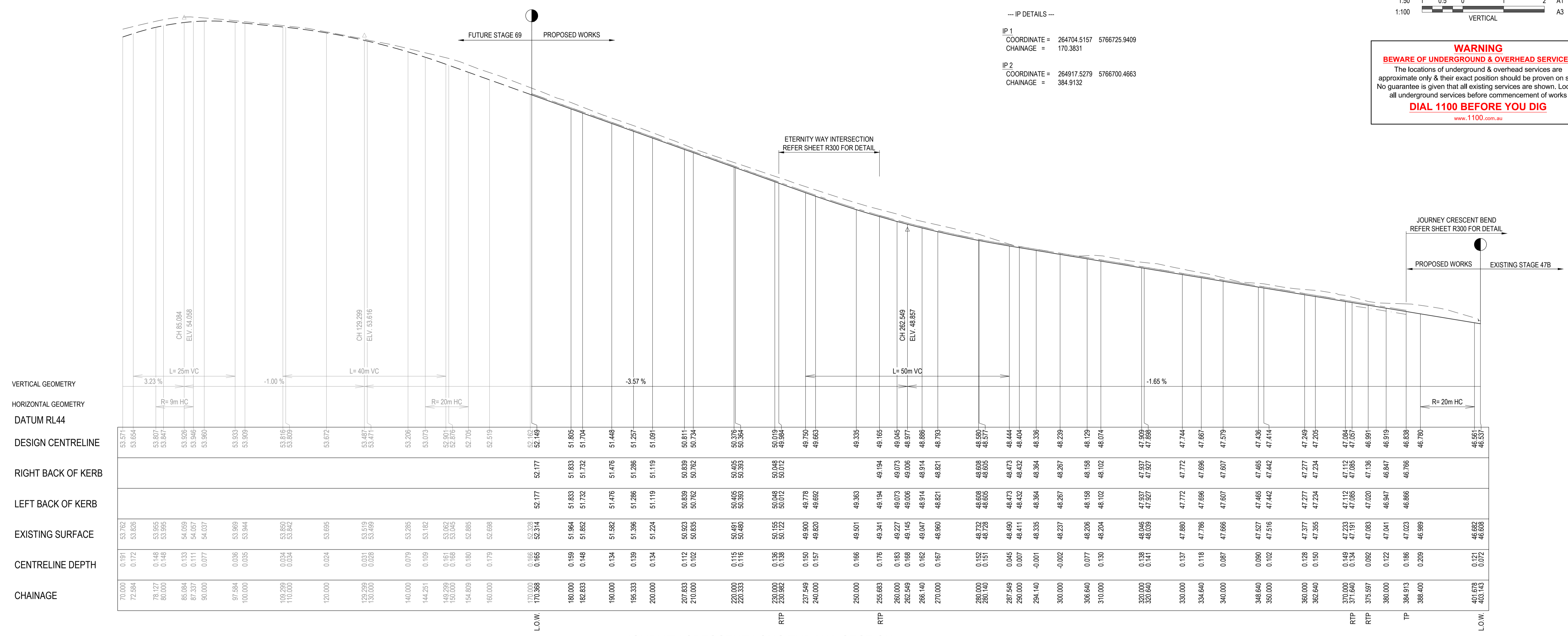


WARNING
Beware of Underground & Overhead Services
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100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

JOURNEY CRESCENT CENTRELINE SETOUT

CHAINAGE	EASTING	NORTHING	BEARING
170.383	264704.516	5766725.941	96°49'11" IP
200.000	264733.923	5766722.424	96°49'11" IP
300.000	264633.215	5766710.549	96°49'11" IP
384.913	264917.528	5766700.466	96°49'11" IP

-- IP DETAILS --
 IP 1
 COORDINATE = 264704.5157 5766725.9409
 CHAINAGE = 170.3831
 IP 2
 COORDINATE = 264917.5279 5766700.4663
 CHAINAGE = 384.9132



JOURNEY CRESCENT LONGITUDINAL SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

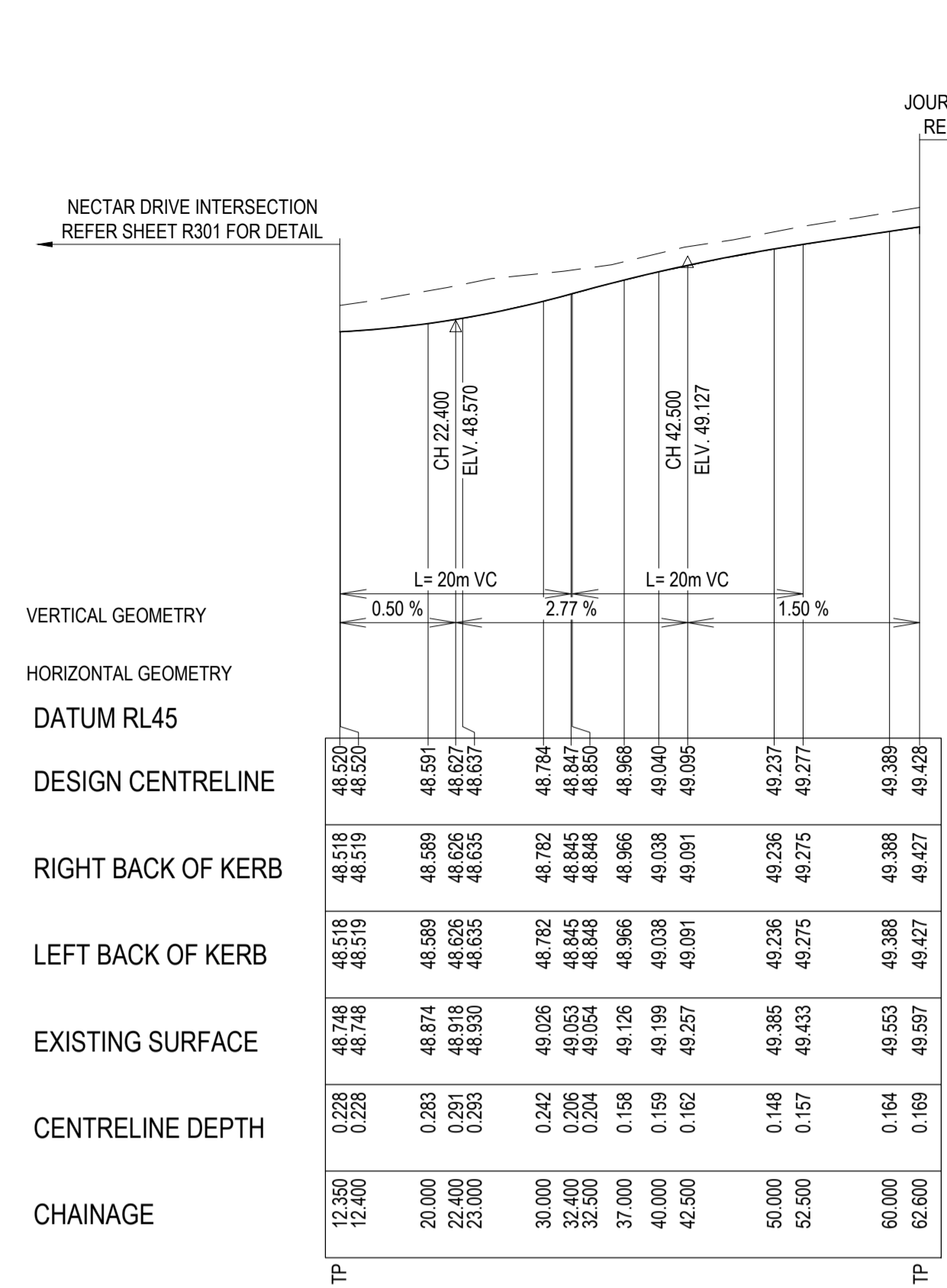
creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 AT DUNEDIN

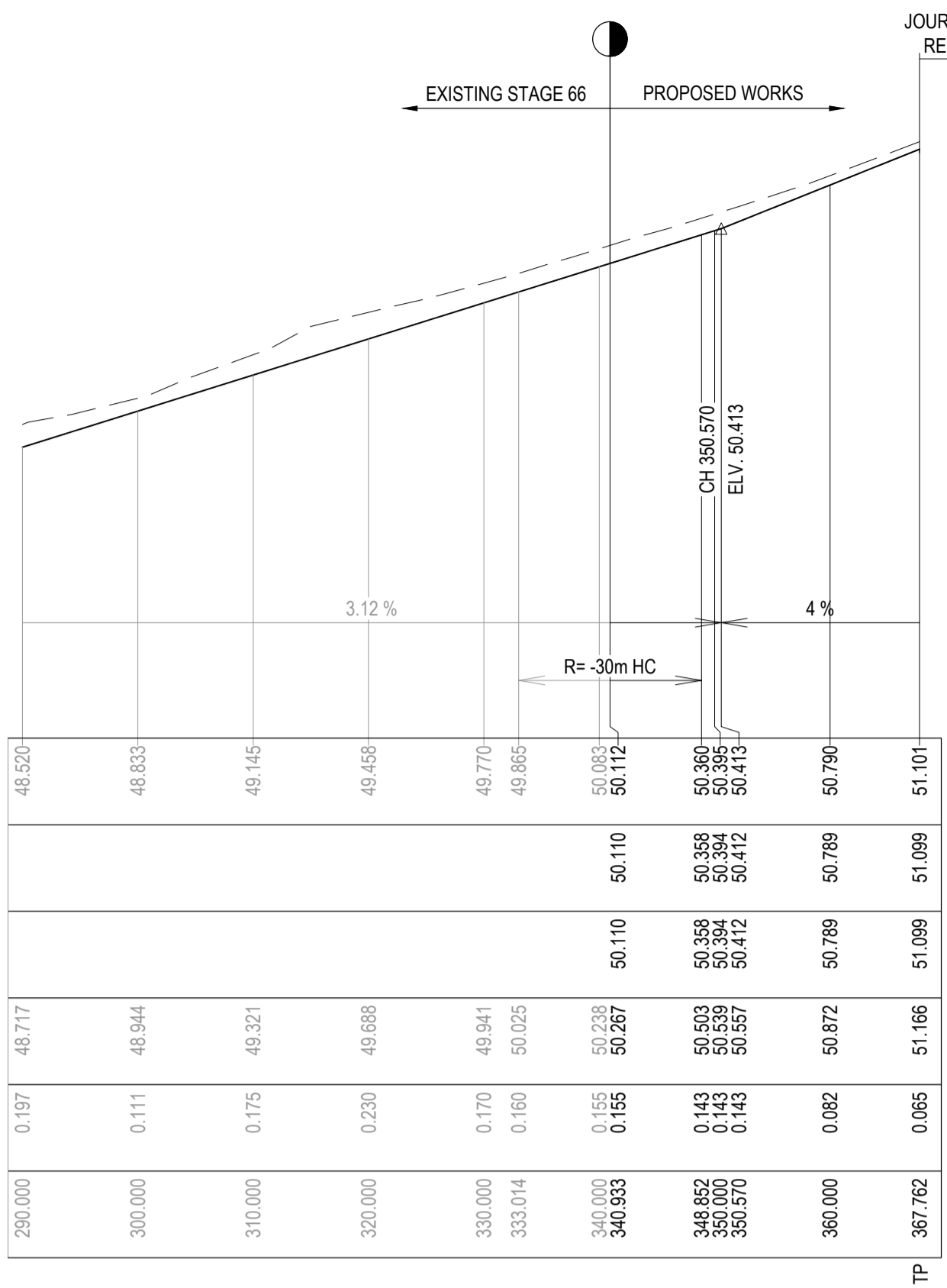
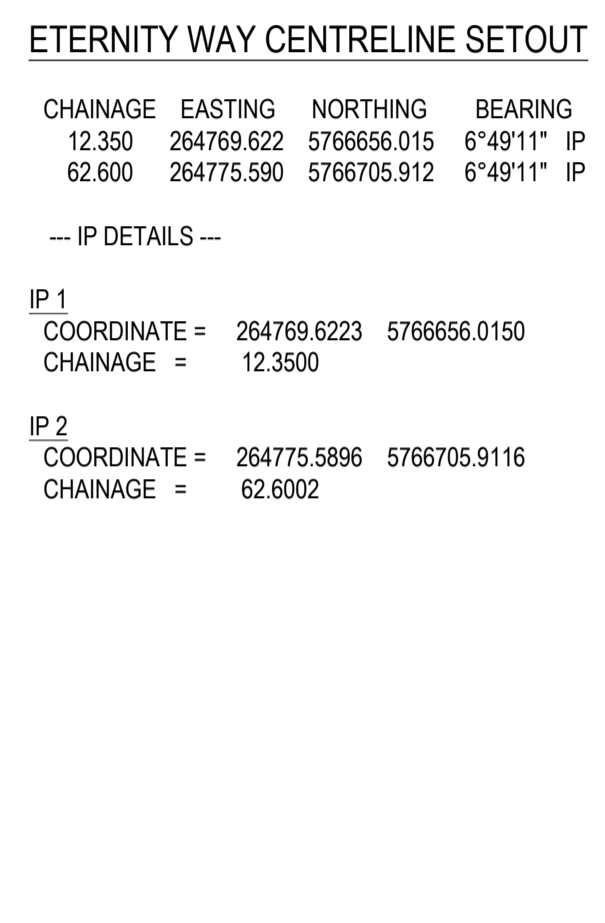
ARMSTRONG - STAGE 67
 ROAD LONGITUDINAL SECTIONS - 2

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R401	0



ETERNITY WAY LONGITUDINAL SECTION



WANDERLUST DRIVE LONGITUDINAL SECTION

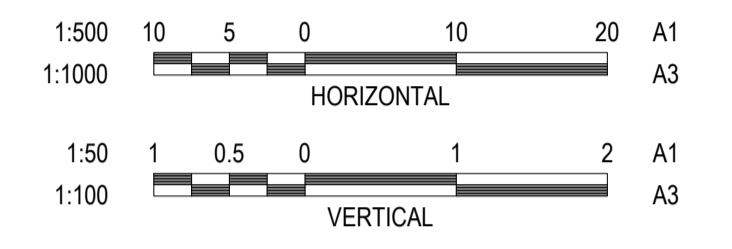
WANDERLUST DRIVE CENTRELINE SETOUT

CHAINAGE	EASTING	NORTHING	BEARING
340.933	264685.742	5766601.661	351°41'45" IP
340.933	264685.742	5766601.661	351°41'45" IP
341.304	264685.686	5766602.028	350°59'14"
343.478	264685.268	5766604.161	346°50'07"
345.652	264684.697	5766606.258	342°41'01"
347.826	264683.975	5766608.308	338°31'54"
348.852	264683.584	5766609.257	336°34'17" CT
350.570	264682.901	5766610.833	336°34'17"
367.762	264676.065	5766626.608	336°34'17" IP

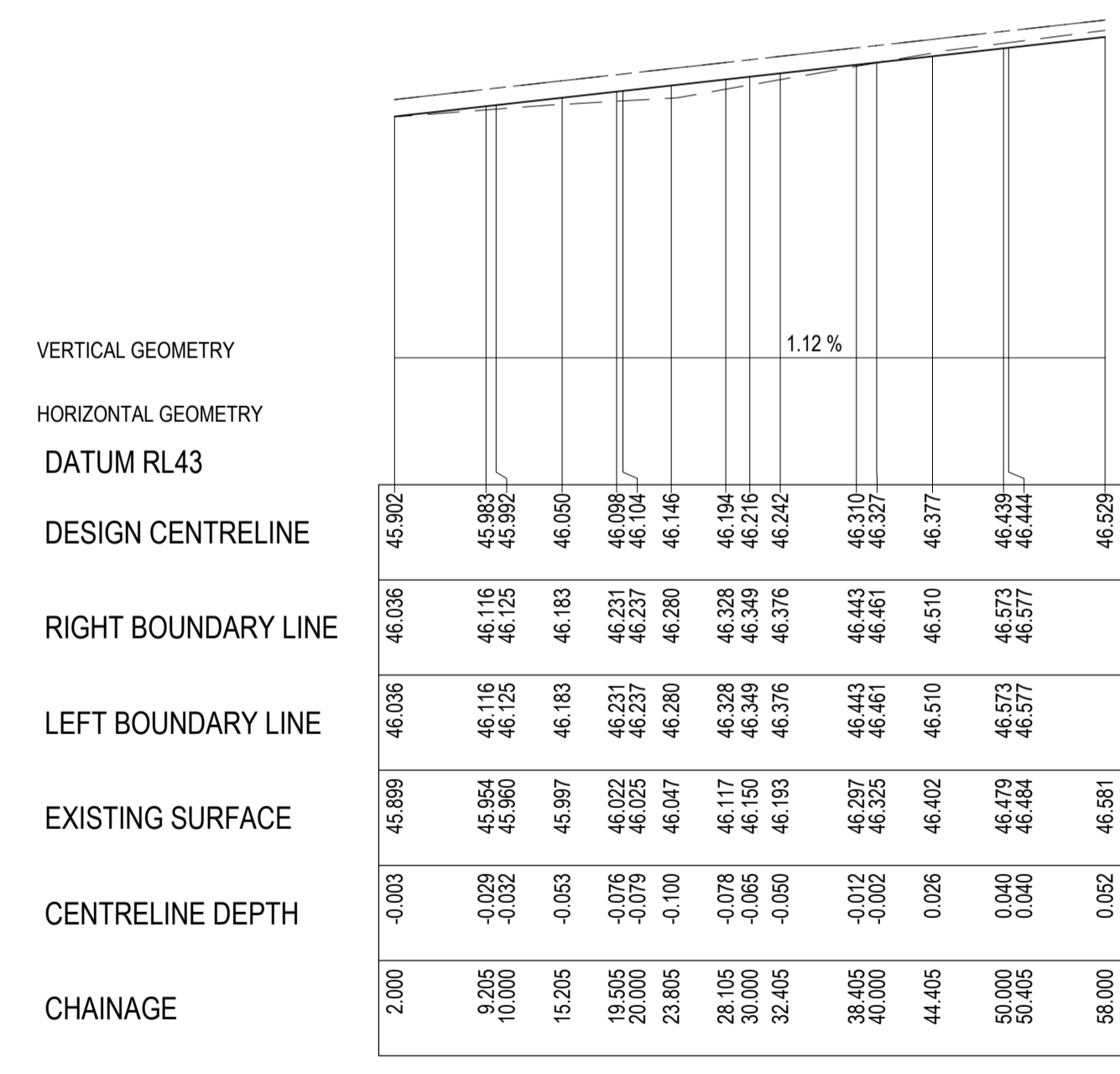
--- IP DETAILS ---
IP 1
COORDINATE = 264685.7423 5766601.6614
CHAINAGE = 340.9333
IP 2
COORDINATE = 264685.1671 5766605.6024
CENTRE = 264656.0568 5766597.3286
RADIUS = -30.0000
LENGTH = 7.9191
INTERSECT ANGLE = 15°07'28"
START TANGENT
COORDINATE = 264685.7423 5766601.6614
LENGTH = 3.9827
CHAINAGE = 340.9333
BEARING = 351°41'45"
END TANGENT
COORDINATE = 264683.5836 5766609.2567
LENGTH = 3.9827
CHAINAGE = 348.8524
BEARING = 336°34'17"
IP 3
COORDINATE = 264676.0649 5766626.6077
CHAINAGE = 367.7624

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- LEFT BACK OF KERB
- RIGHT BACK OF KERB



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

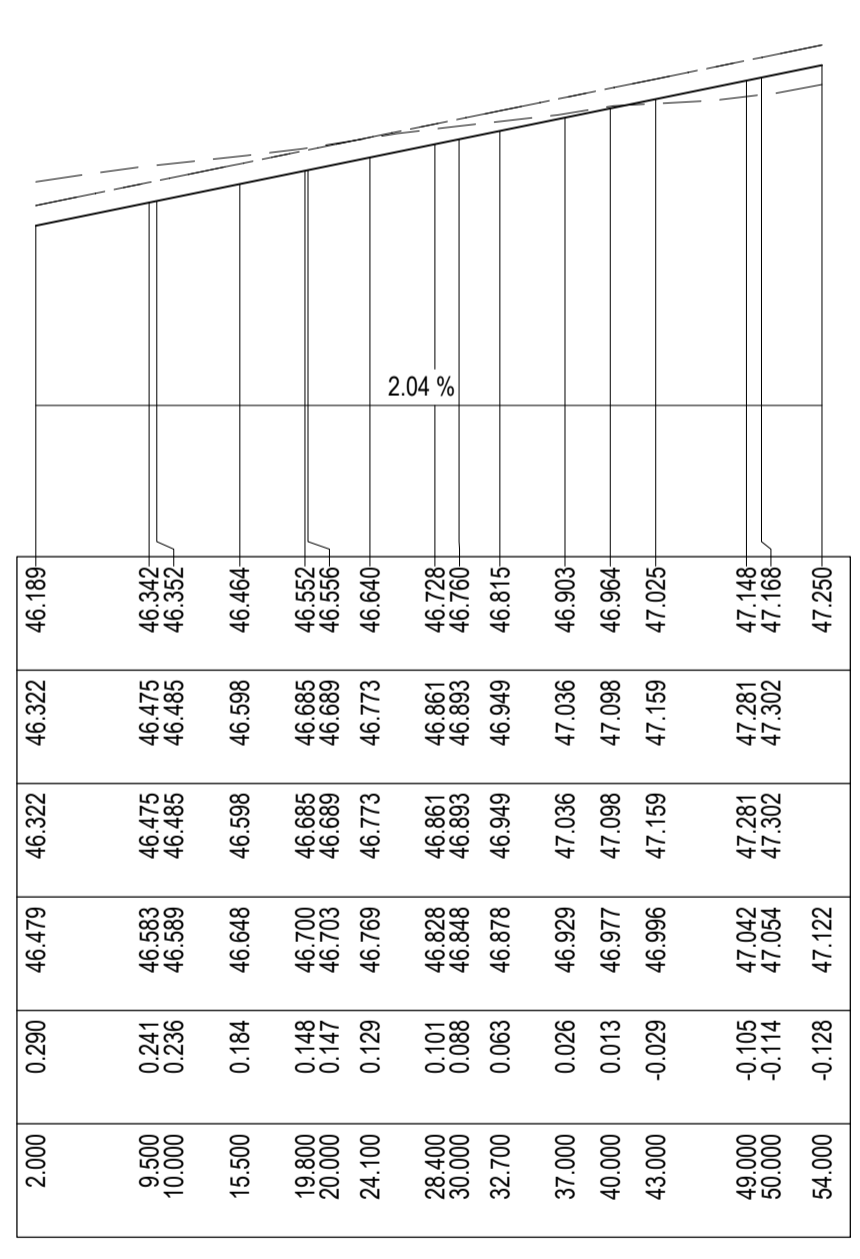


AMBITION LANE LONGITUDINAL SECTION

AMBITION LANE CENTRELINE SETOUT

CHAINAGE	EASTING	NORTHING	BEARING
0.000	264857.268	5766563.699	6°49'11" IP
59.905	264864.381	5766623.180	6°49'11" IP

--- IP DETAILS ---
IP 1
COORDINATE = 264857.2678 5766563.6989
CHAINAGE = 0.0000
IP 2
COORDINATE = 264864.3813 5766623.1804
CHAINAGE = 59.9054



VIGOR LANE LONGITUDINAL SECTION

VIGOR LANE CENTRELINE SETOUT

CHAINAGE	EASTING	NORTHING	BEARING
0.000	264891.660	5766638.046	6°49'11" IP
56.000	264898.309	5766693.650	6°49'11" IP

--- IP DETAILS ---
IP 1
COORDINATE = 264891.660 5766638.046
CHAINAGE = 0.0000
IP 2
COORDINATE = 264898.309 5766693.650
CHAINAGE = 56.0000

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



DRAWING TITLE
**ARMSTRONG - STAGE 67
ROAD LONGITUDINAL SECTIONS - 3**

STATUS
**ISSUED FOR
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R402	2

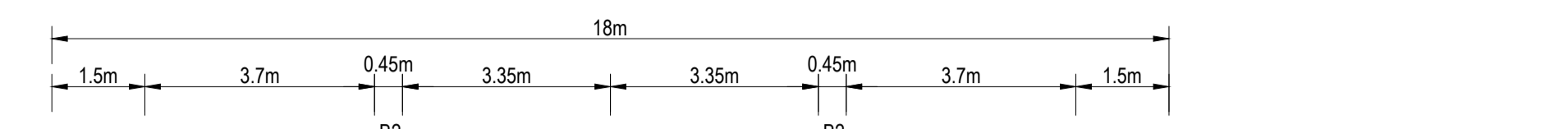
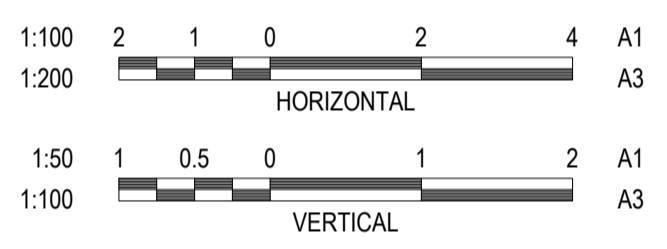
WARNING
BWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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

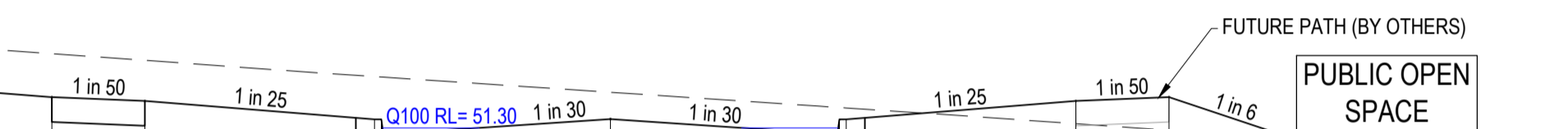
LEGEND

- EXISTING SURFACE
- DESIGN LINE
- Q100 LEVEL
- ▨ SELECT FILL



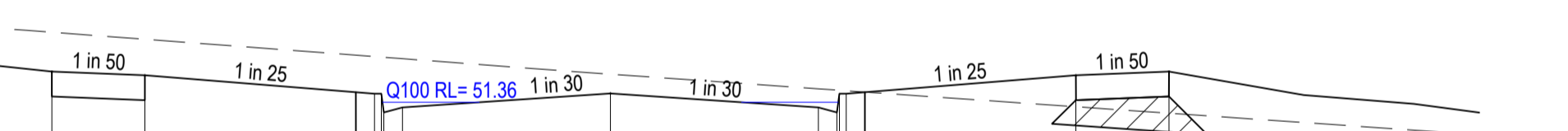
DATUM49.0											
DESIGN SURFACE											
EXISTING SURFACE	51.718	51.672	51.059	51.059	51.061	51.000	51.000	51.000	51.000	51.000	51.000
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

TPCH 185.875



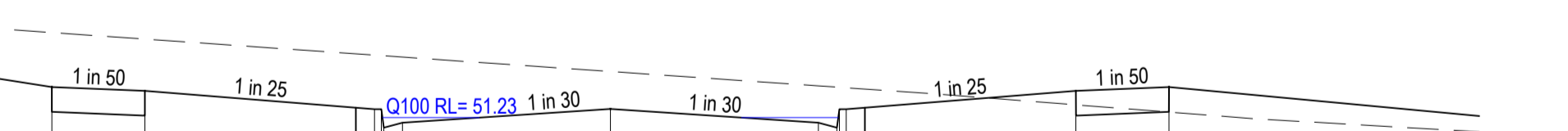
DATUM50.0											
DESIGN SURFACE											
EXISTING SURFACE	51.897	51.844	51.369	51.369	51.371	51.300	51.300	51.300	51.300	51.300	51.300
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

RTPCH 171.991



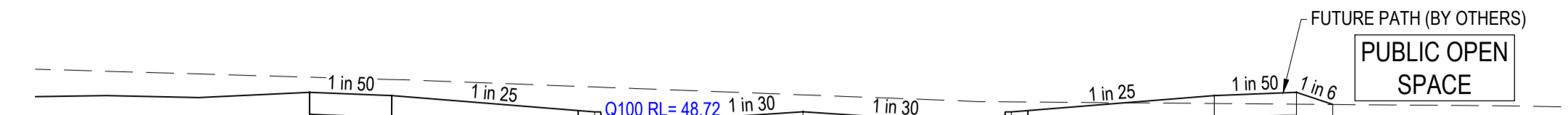
DATUM50.0											
DESIGN SURFACE											
EXISTING SURFACE	51.922	51.866	51.428	51.428	51.430	51.350	51.350	51.350	51.350	51.350	51.350
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

RTPCH 147.291



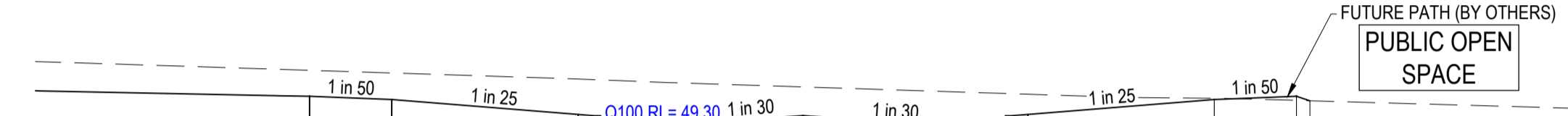
DATUM50.0											
DESIGN SURFACE											
EXISTING SURFACE	51.912	51.860	51.330	51.330	51.330	51.250	51.250	51.250	51.250	51.250	51.250
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

CH 136.571 (LIMIT OF WORKS)



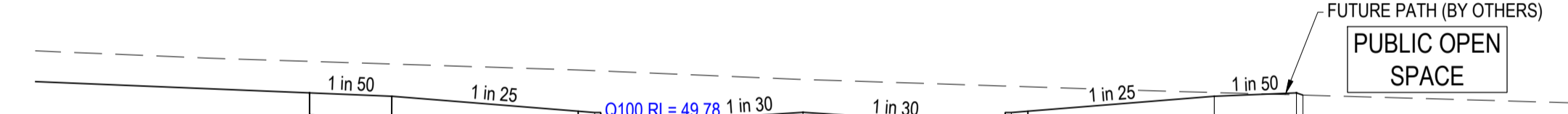
DATUM47.0											
DESIGN SURFACE											
EXISTING SURFACE	48.961	48.931	48.783	48.783	48.785	48.785	48.785	48.785	48.785	48.785	48.785
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

LTPCH 247.211



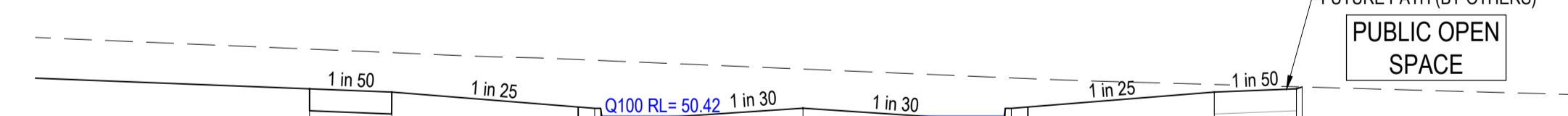
DATUM48.0											
DESIGN SURFACE											
EXISTING SURFACE	49.782	49.758	49.369	49.369	49.369	49.369	49.369	49.369	49.369	49.369	49.369
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

CH 230.561



DATUM48.0											
DESIGN SURFACE											
EXISTING SURFACE	50.312	50.288	49.847	49.847	49.848	49.848	49.848	49.848	49.848	49.848	49.848
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

CH 218.061



DATUM49.0											
DESIGN SURFACE											
EXISTING SURFACE	50.663	50.633	50.465	50.465	50.467	50.467	50.467	50.467	50.467	50.467	50.467
OFFSET	-9.000	-7.500	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800	-3.800

TPCH 201.694

P:\2018\18016 - VILLAWOOD WARRINGTON RD\18016_67\CH136.571.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 AT DUNNEE

ARMSTRONG - STAGE 67
ROAD CROSS SECTIONS - 1
NECTAR DRIVE - SHEET 1

ISSUED FOR CONSTRUCTION

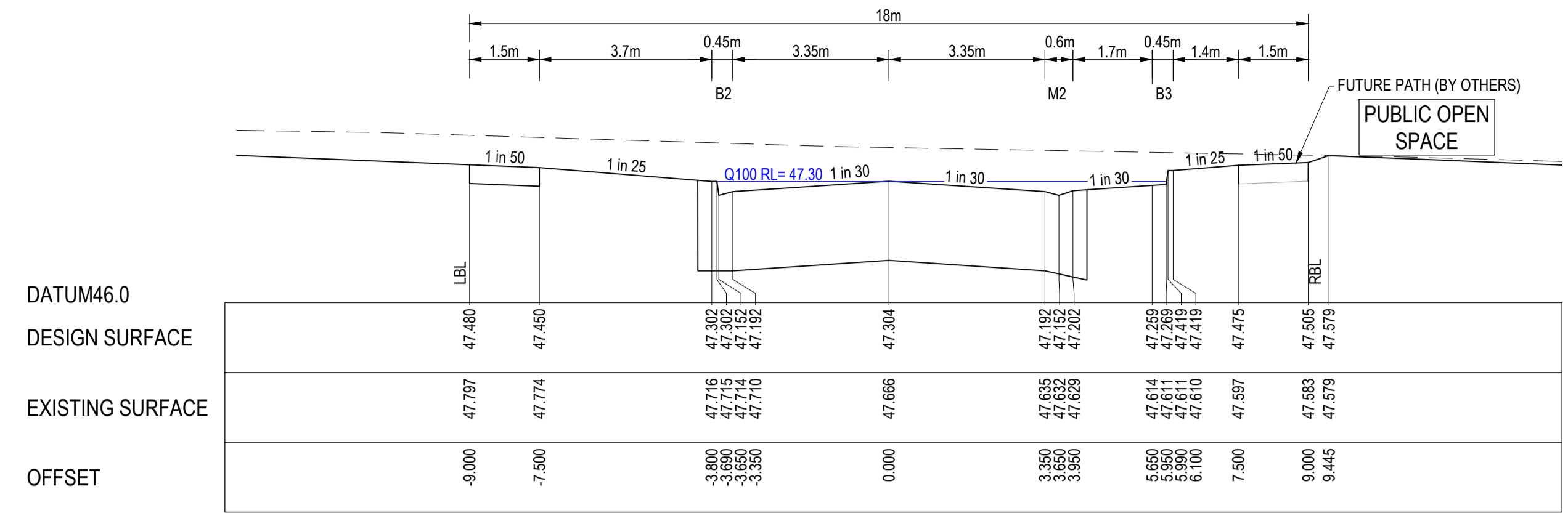
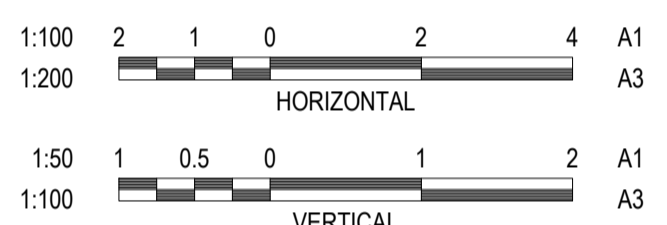
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R500	0

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

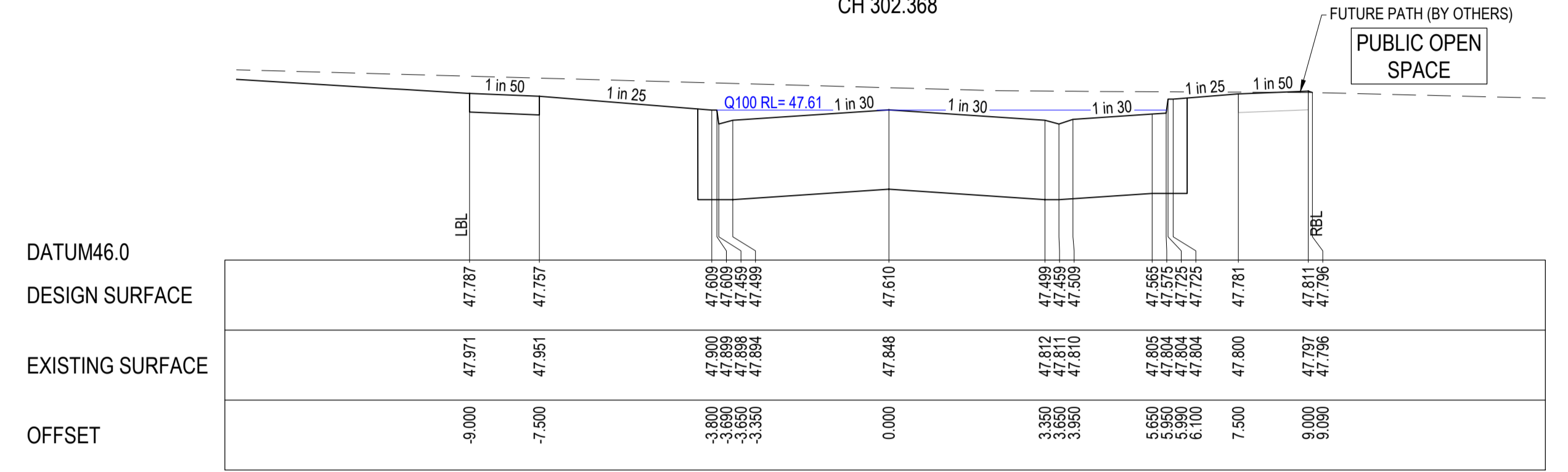
NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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

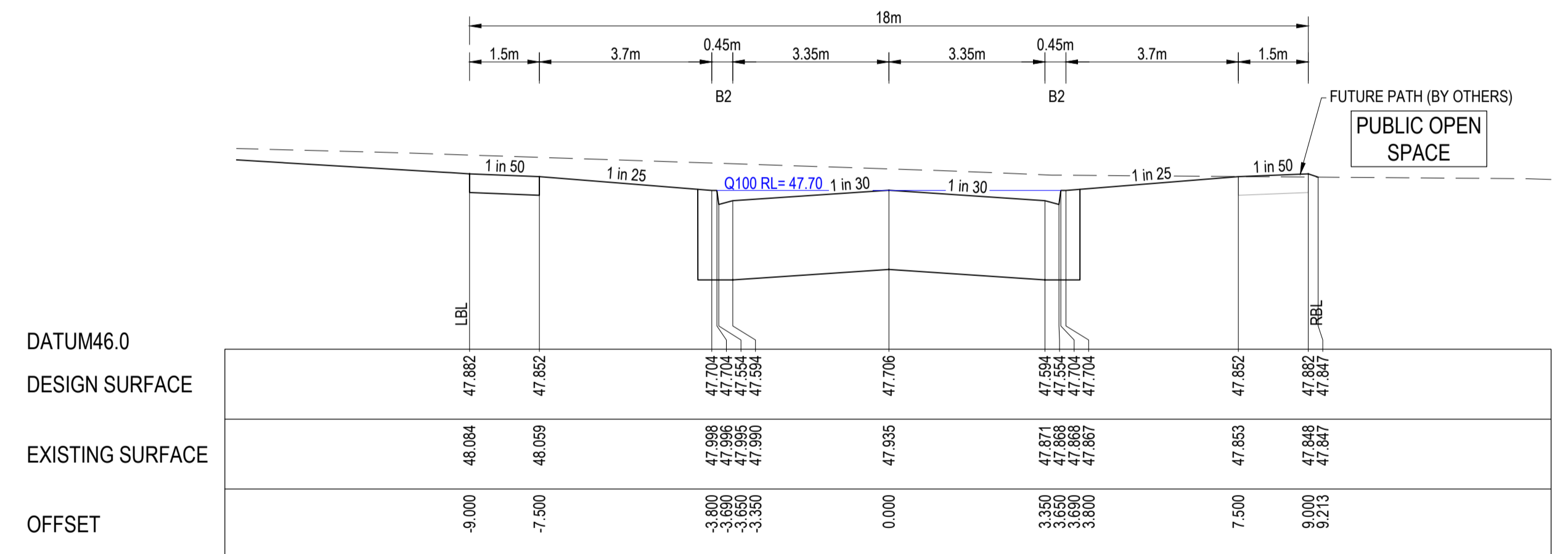
LEGEND
 - - - - - EXISTING SURFACE
 _____ DESIGN LINE
 _____ Q100 LEVEL
 SELECT FILL



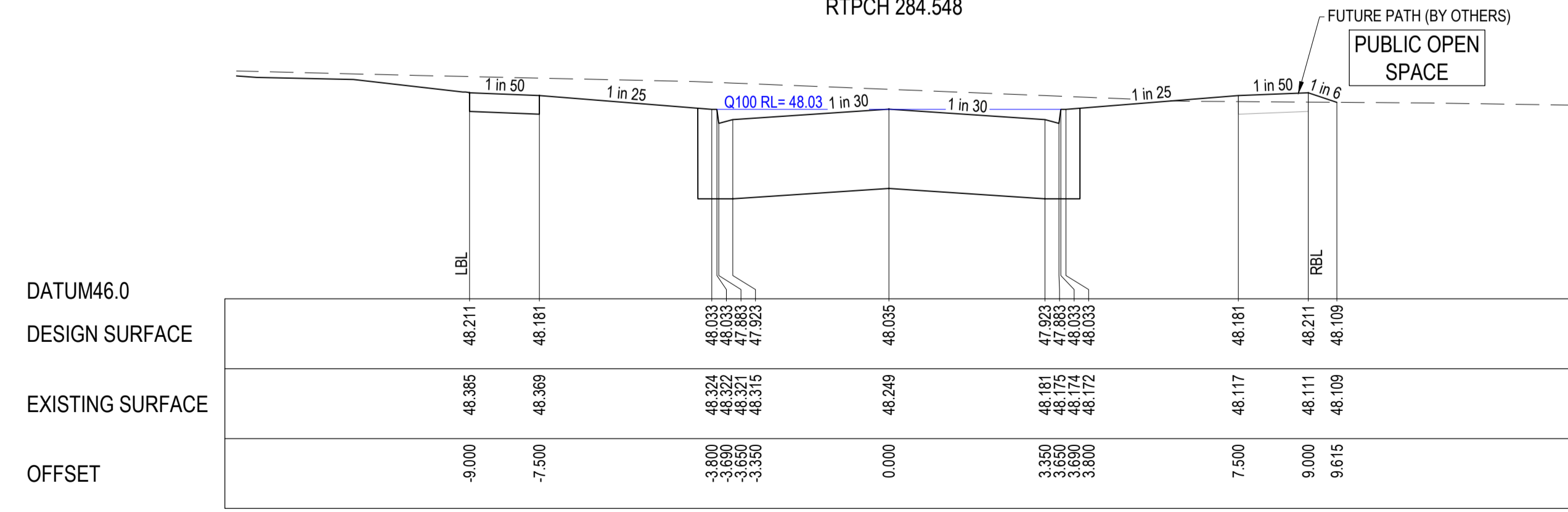
CH 302.368



RTPCH 288.505

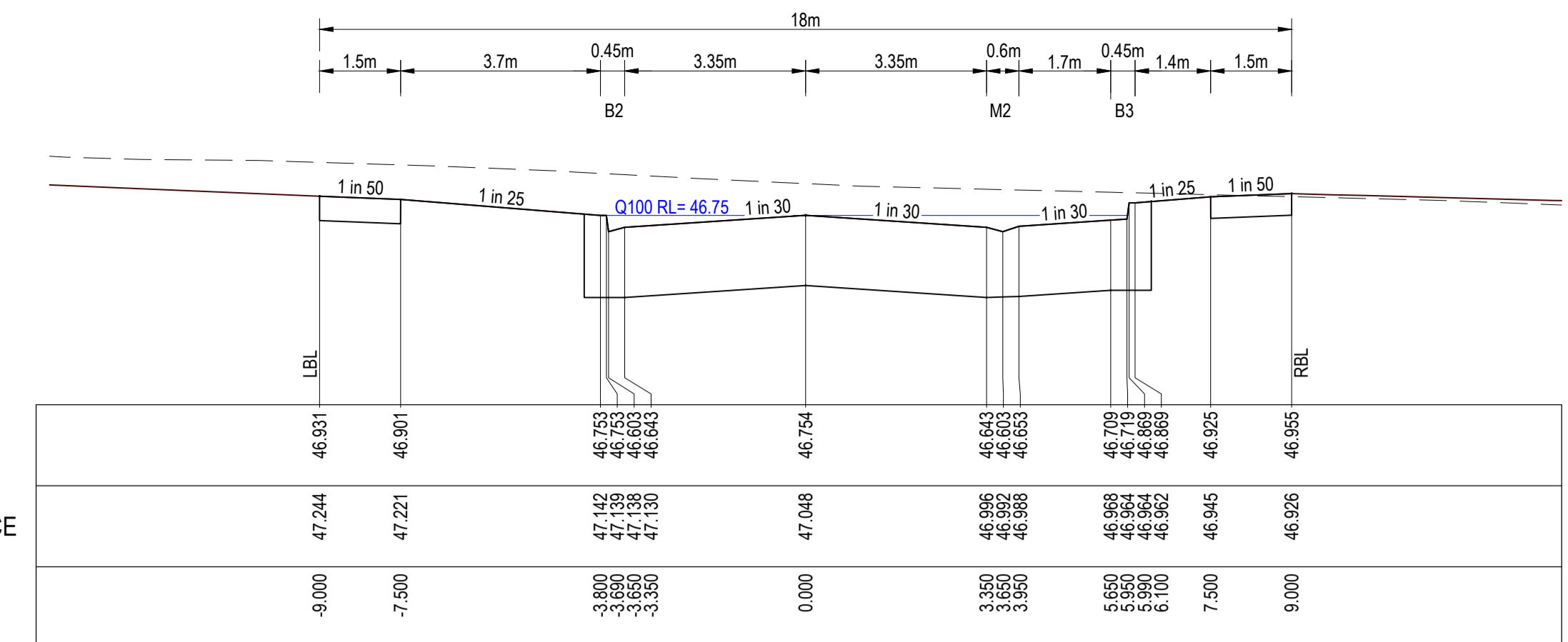


RTPCH 284.548



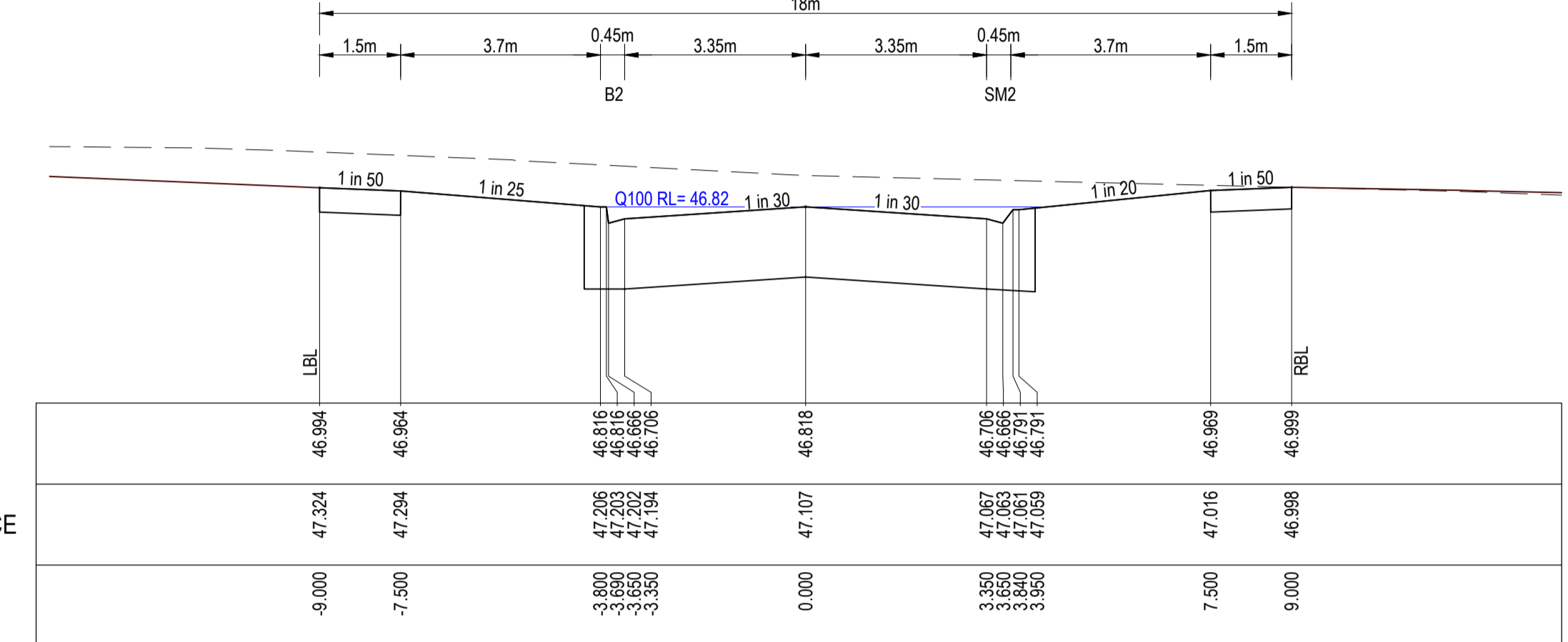
LTPCH 271.911

DATUM45.0
 DESIGN SURFACE
 EXISTING SURFACE
 OFFSET



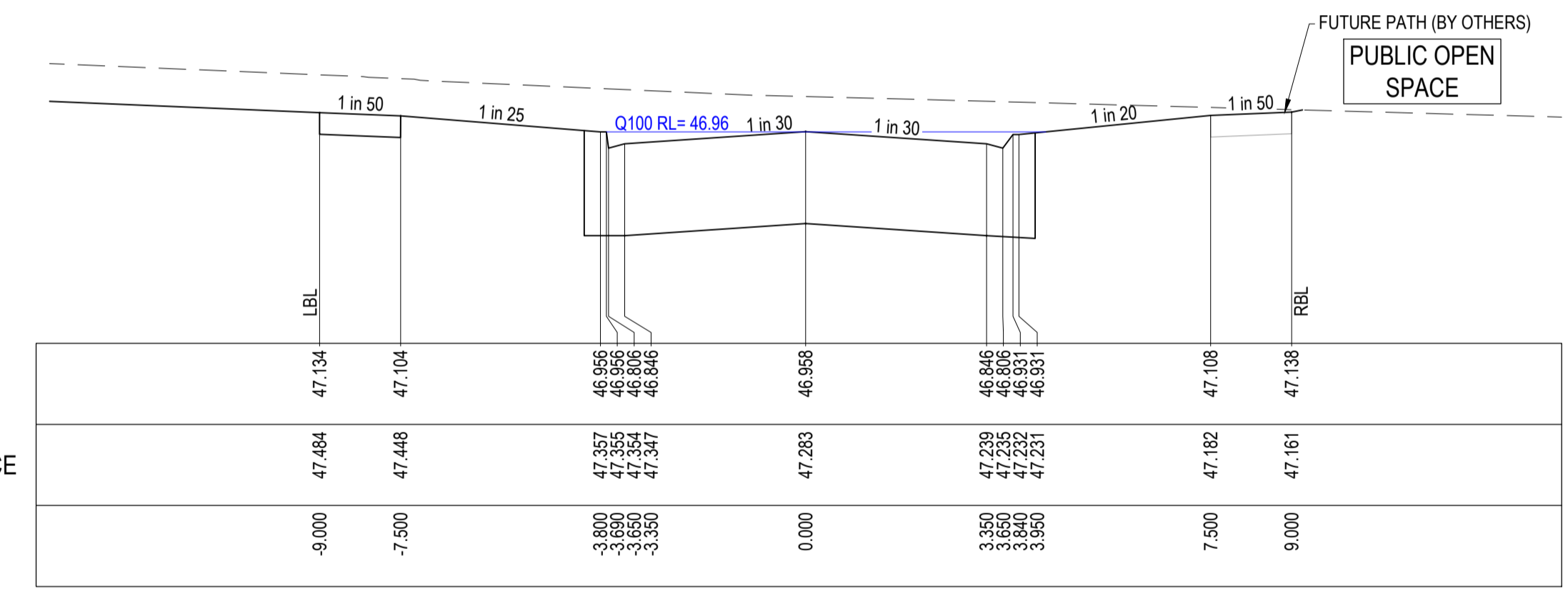
RTPCH 333.948

DATUM45.0
 DESIGN SURFACE
 EXISTING SURFACE
 OFFSET



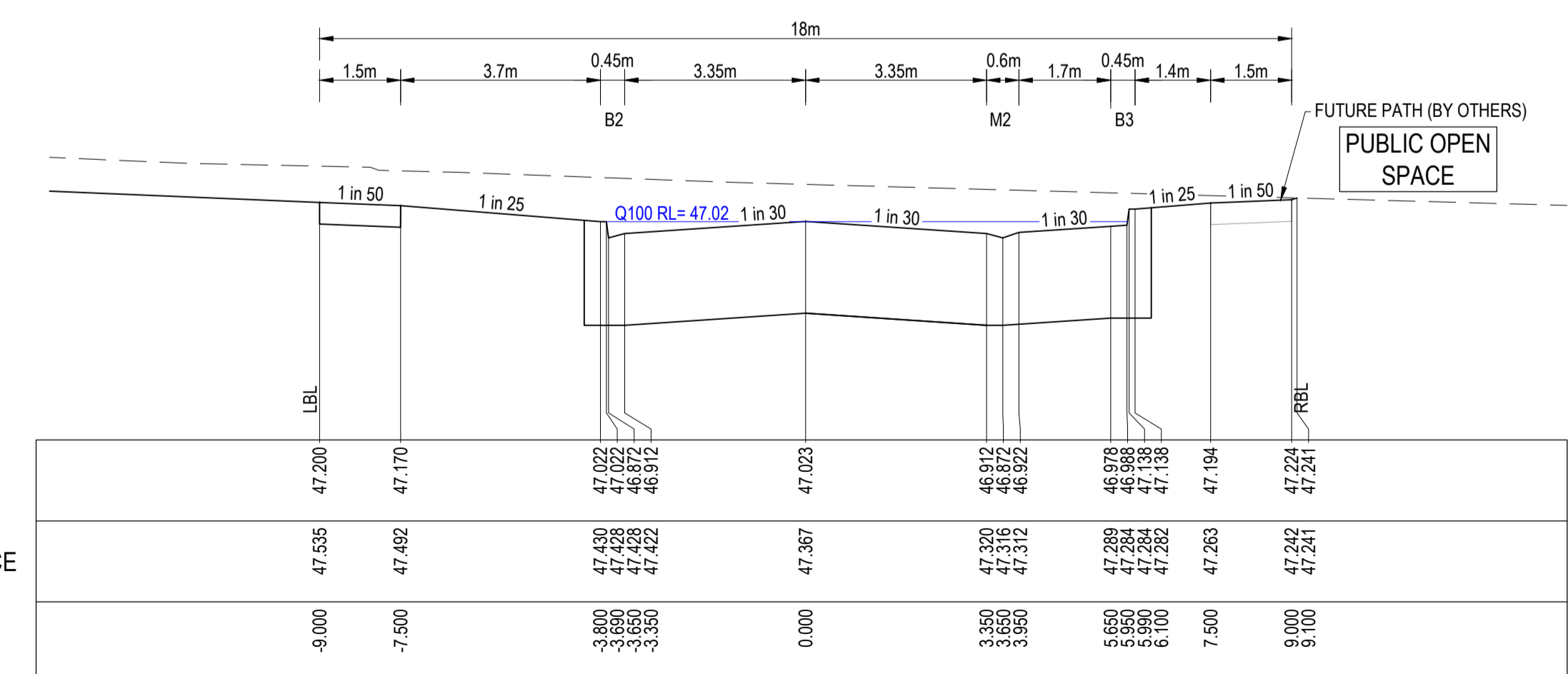
RTPCH 329.992

DATUM45.0
 DESIGN SURFACE
 EXISTING SURFACE
 OFFSET



RTPCH 321.262

DATUM45.0
 DESIGN SURFACE
 EXISTING SURFACE
 OFFSET



RTPCH 317.310

P:\2018\18016 - VILLAWOOD ARMSTRONG (18016.67) CIVIL2 DRAFTING\CAD\18016.67 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

ARMSTRONG - STAGE 67
ROAD CROSS SECTIONS - 2
NECTAR DRIVE - SHEET 2

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R501	1

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

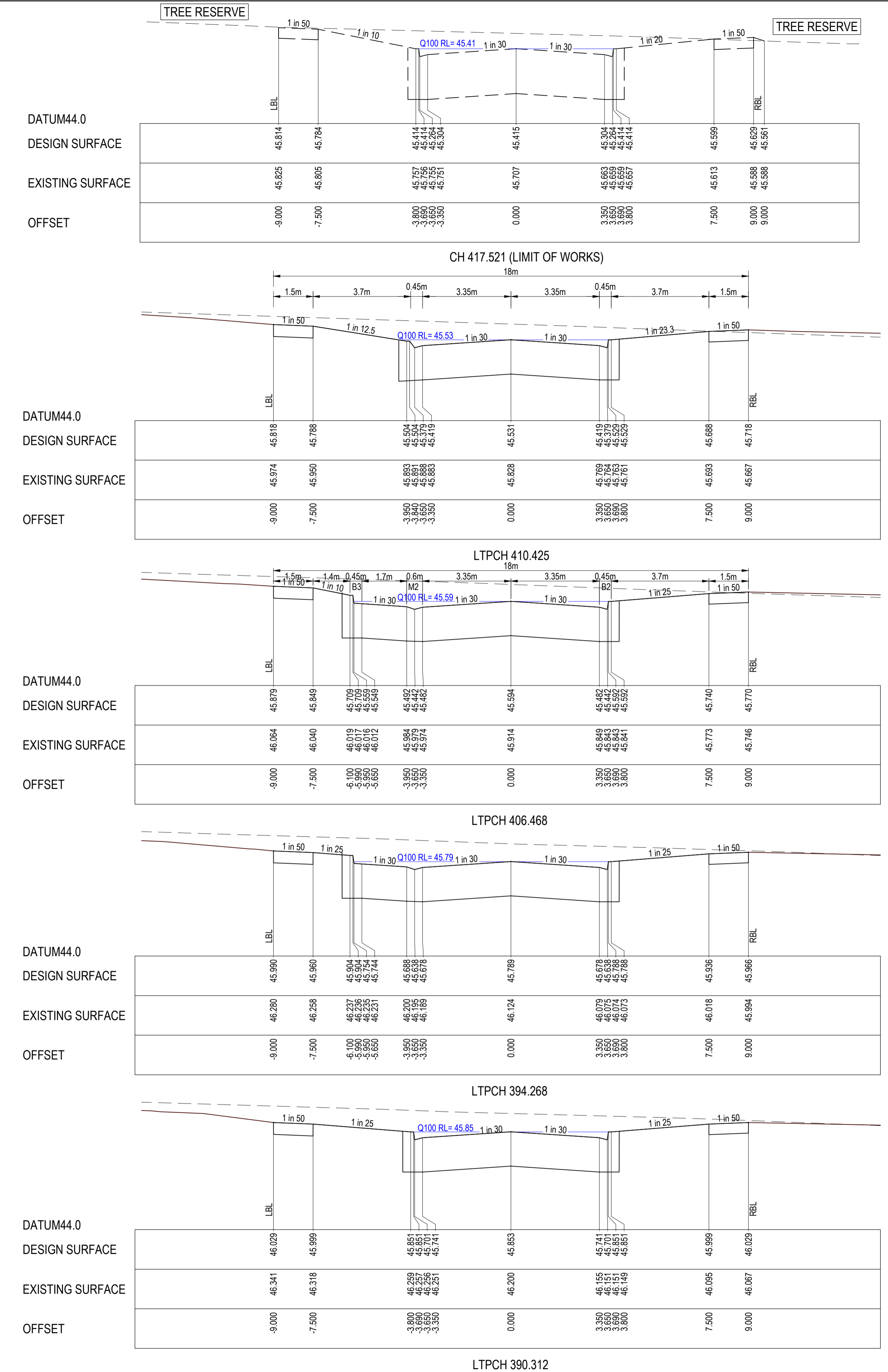
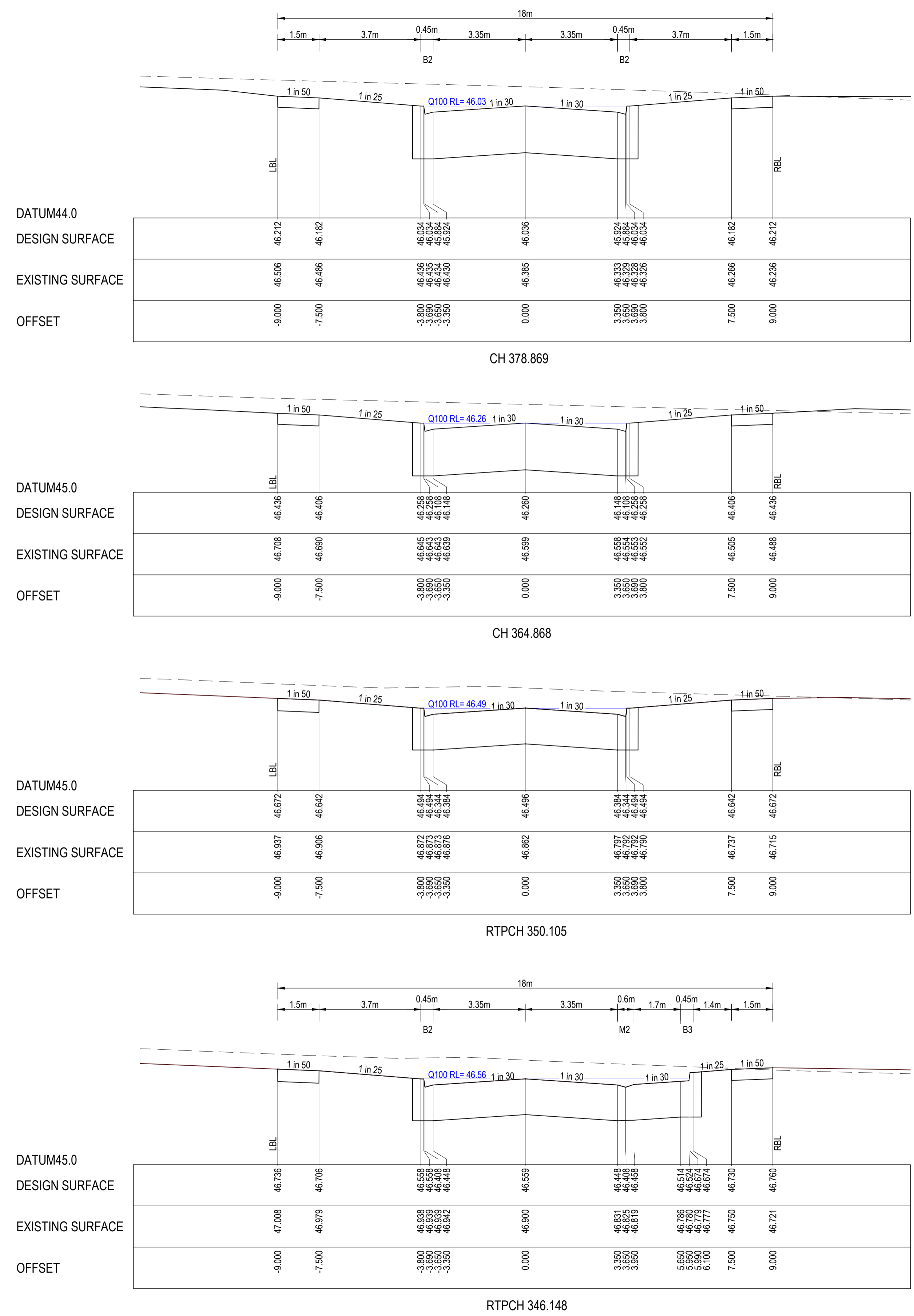
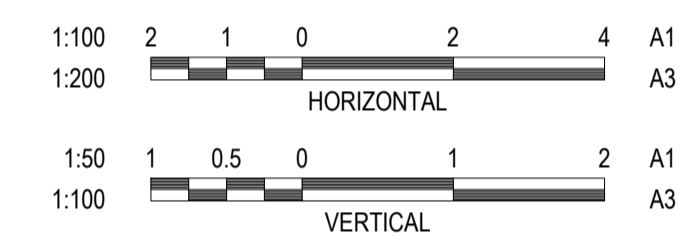
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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
- Q100 LEVEL
- ▨ SELECT FILL



P:\2018\18016 - VILLAWOOD ARMSTRONG (R502) 67 CTM12 DRAFTING\CAD\18016.67 - R502 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood
 properties
 Communities Designed for Living

creo
 CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 AT DUNDEE

ARMSTRONG - STAGE 67
ROAD CROSS SECTIONS - 3
NECTAR DRIVE - SHEET 3

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R502	1

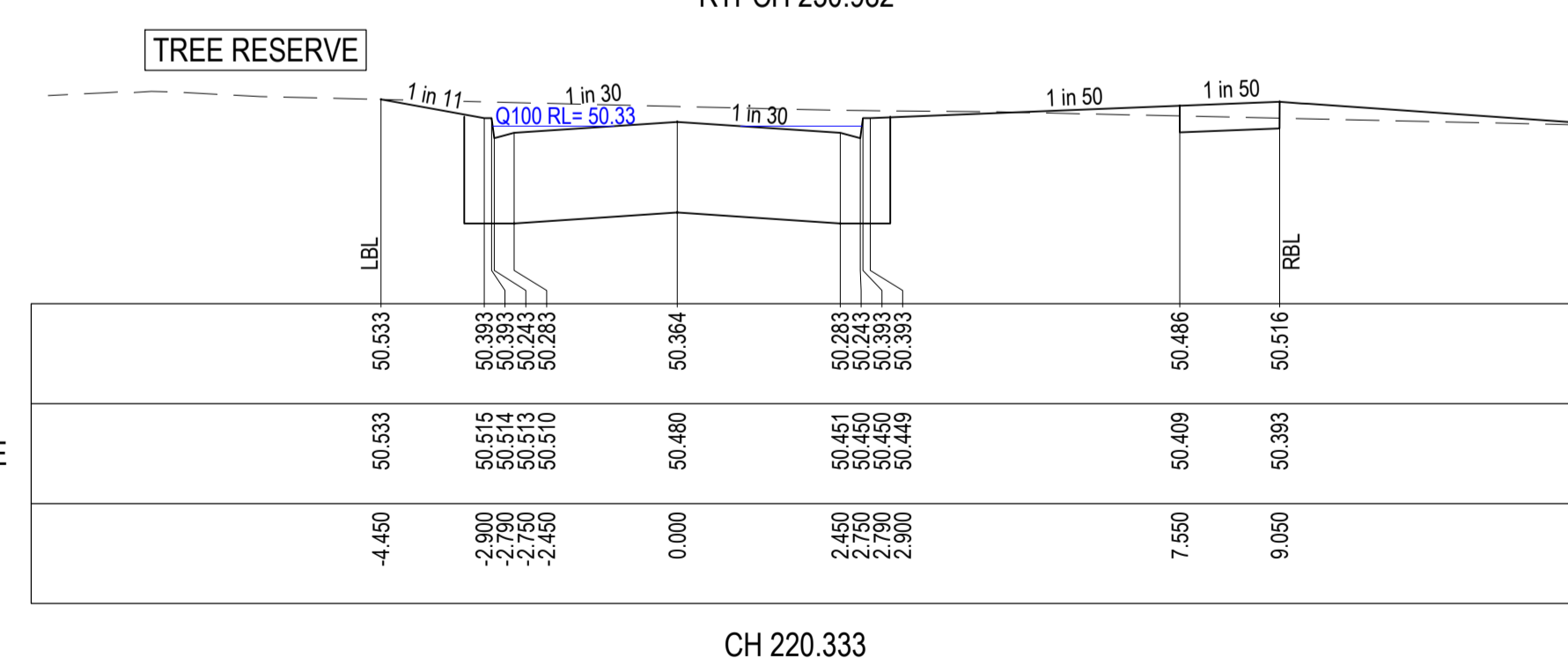
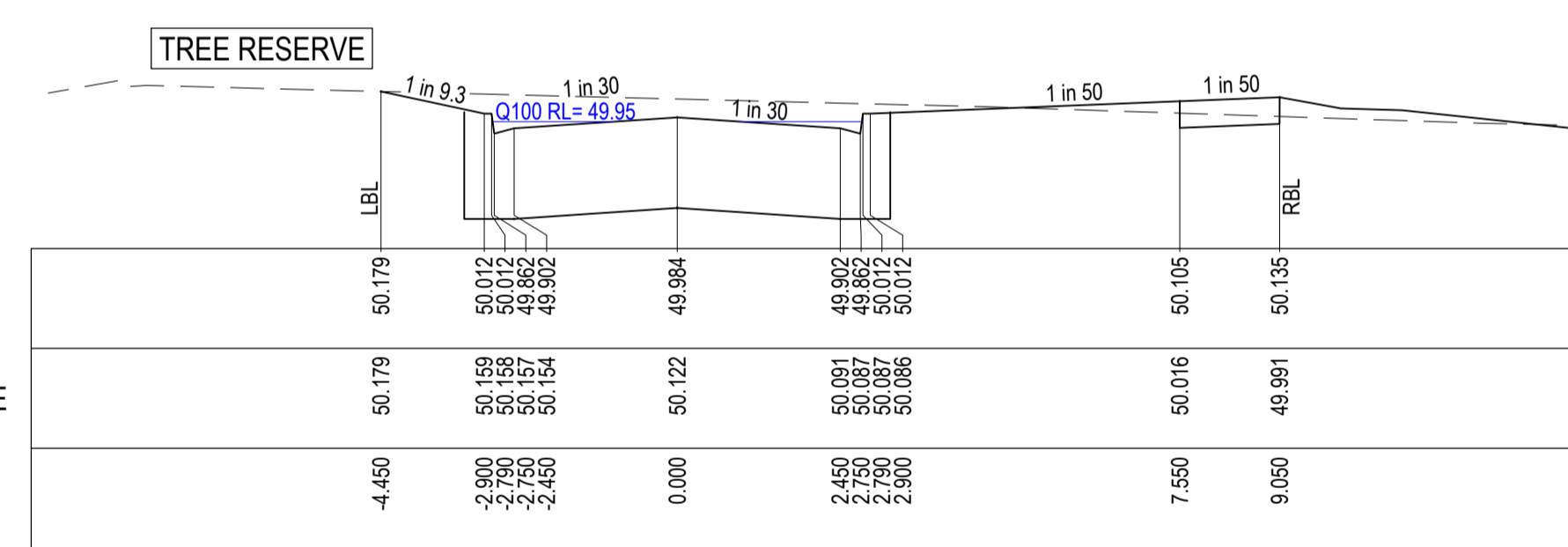
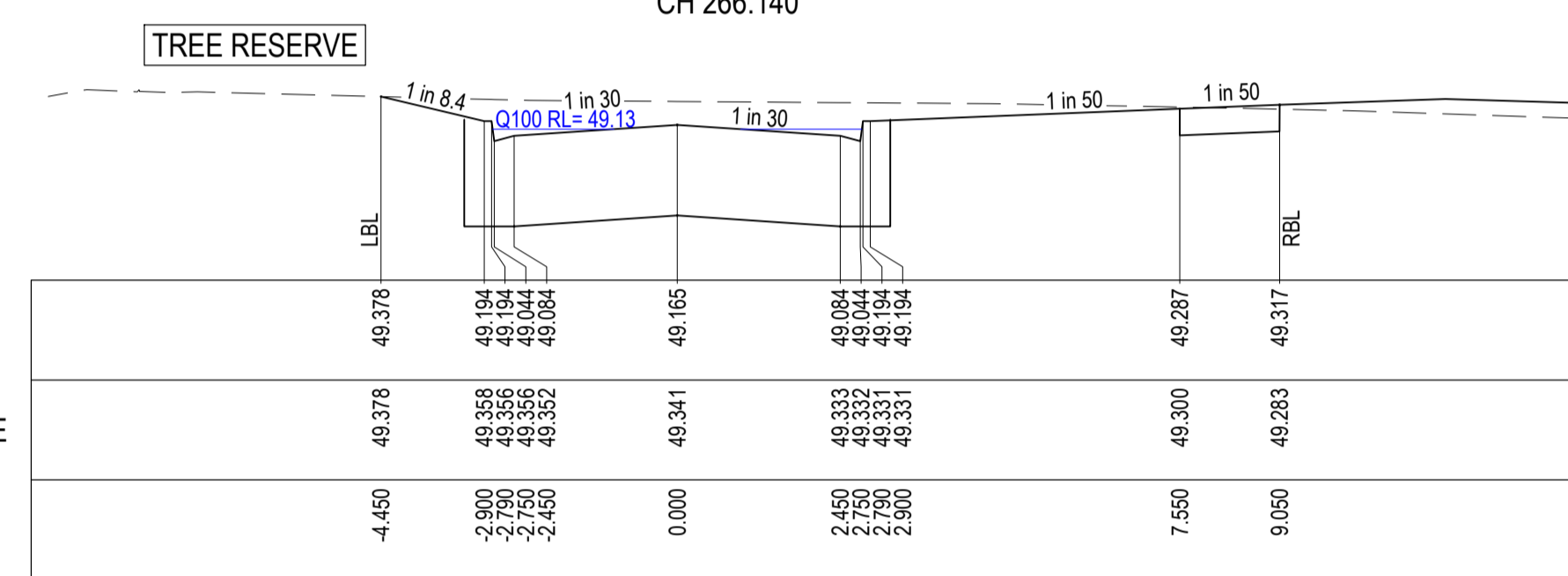
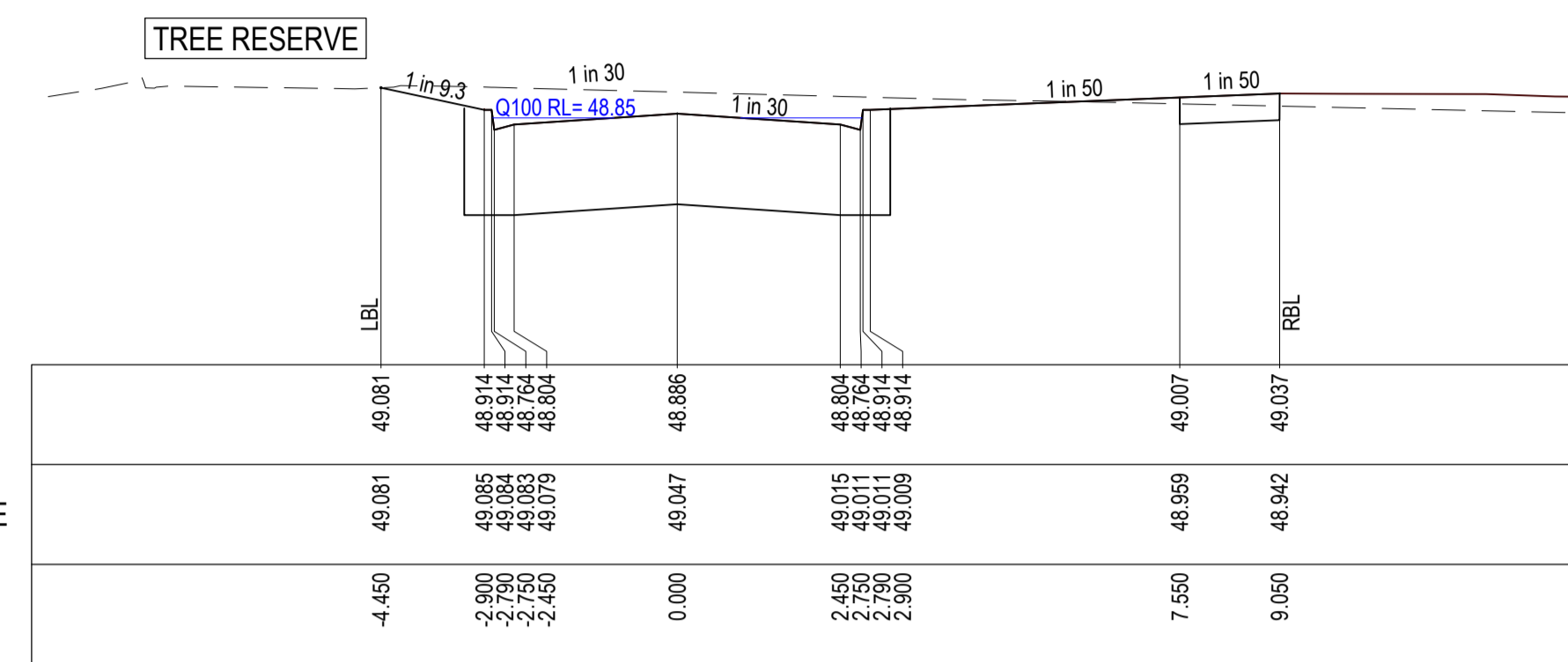
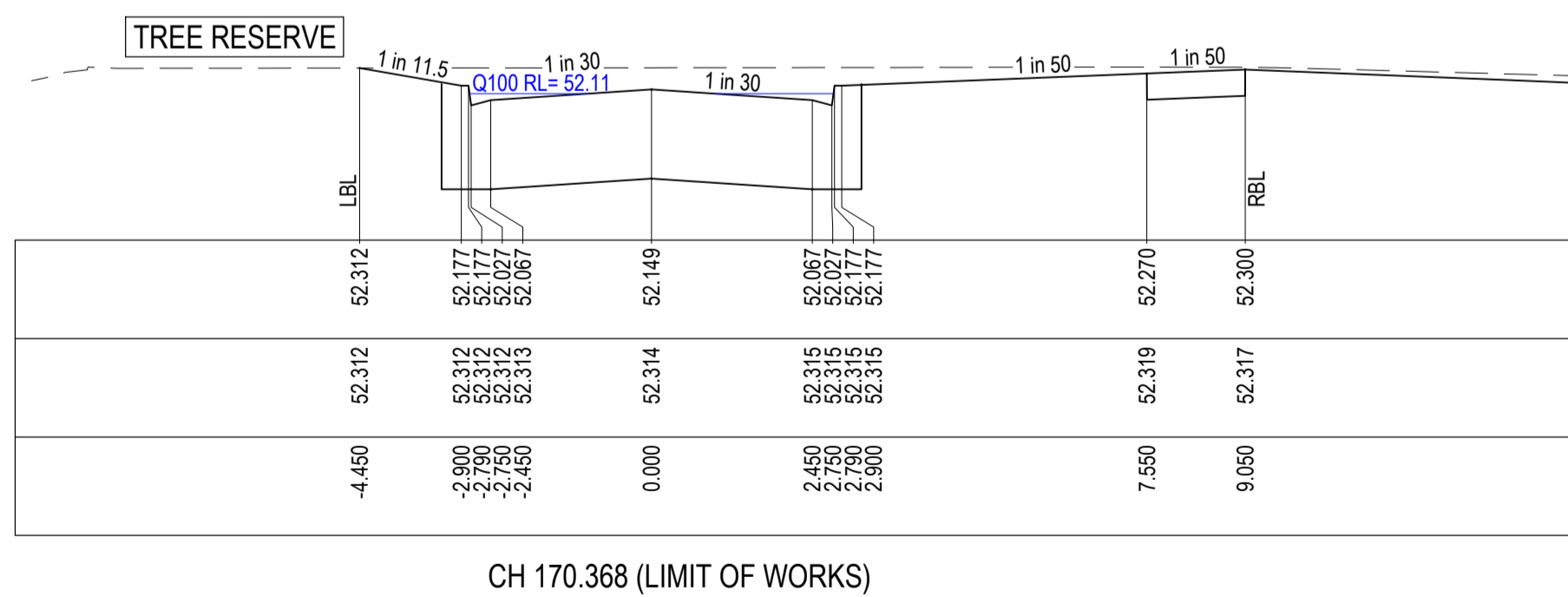
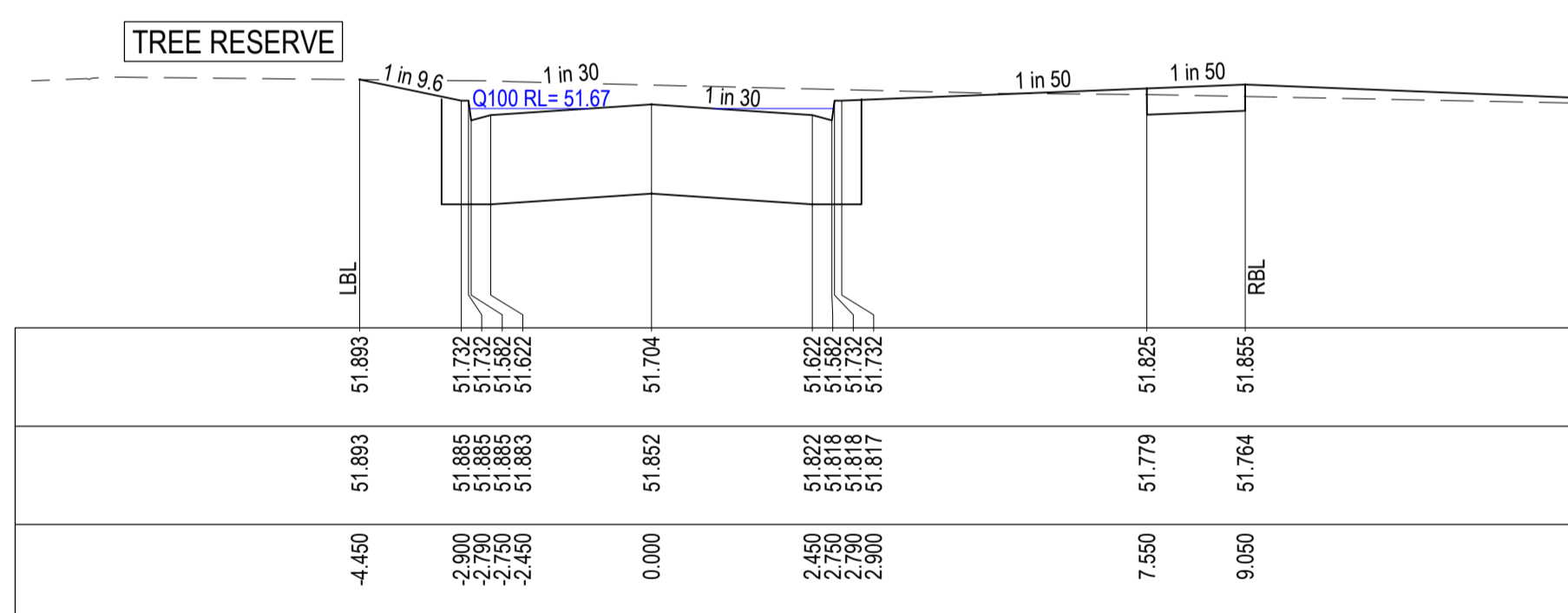
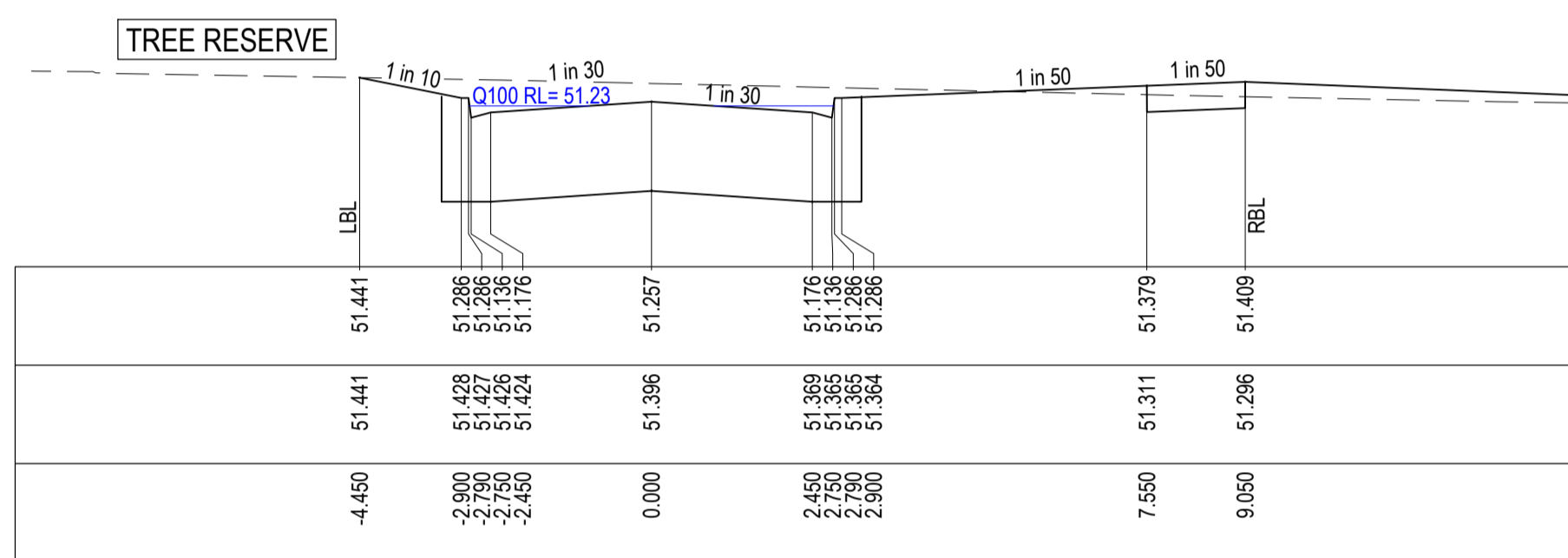
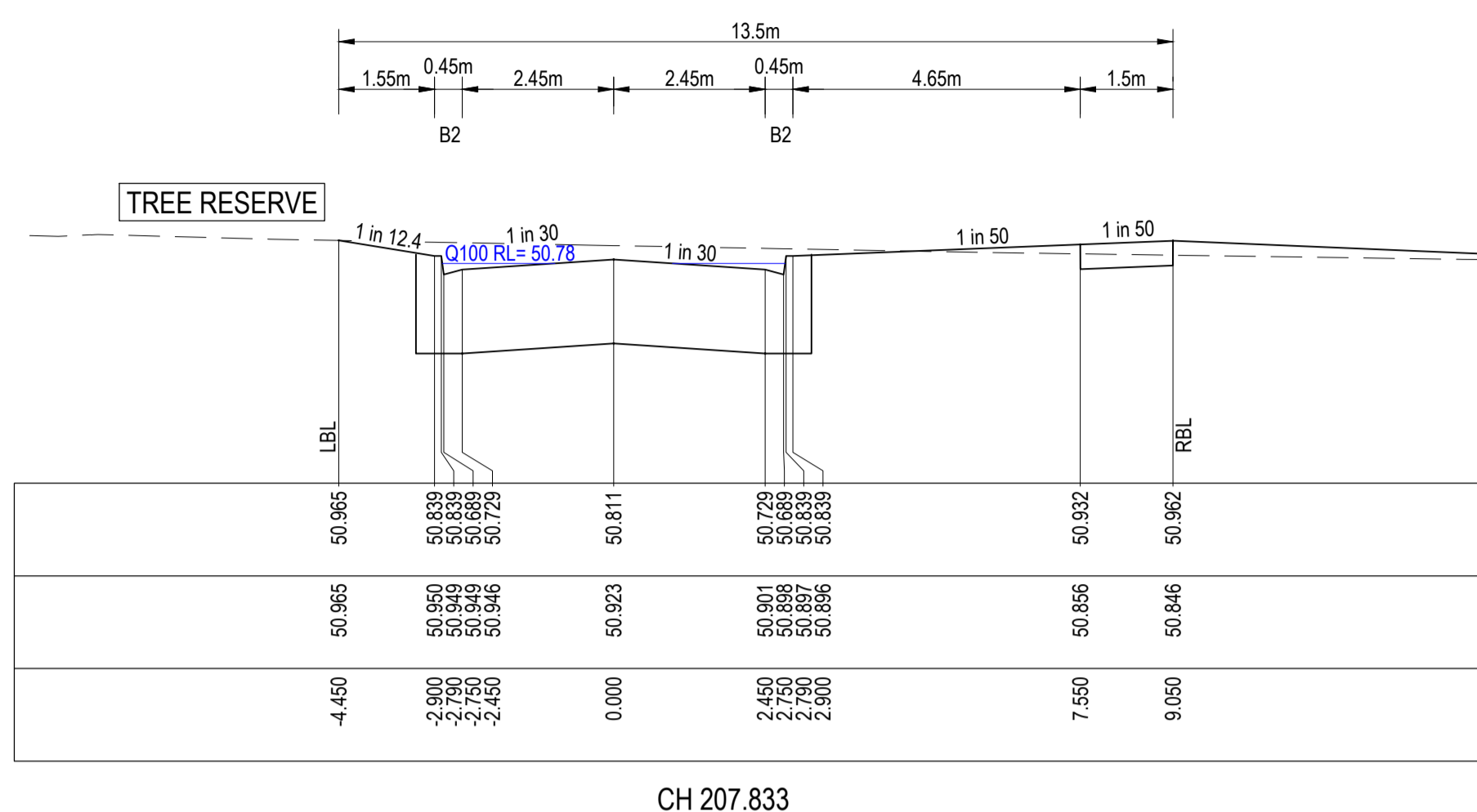
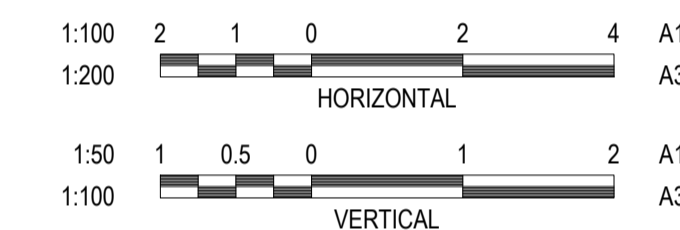
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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
- Q100 LEVEL
- ▨ SELECT FILL



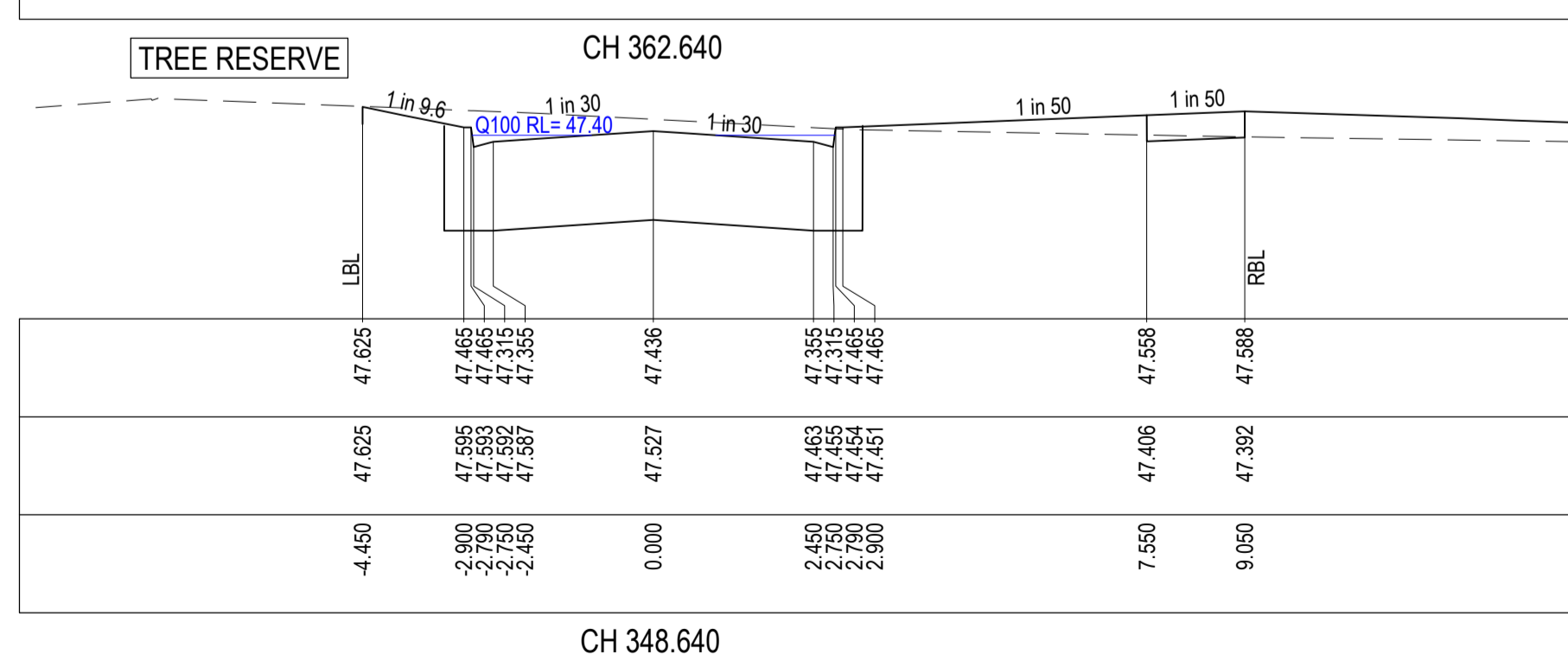
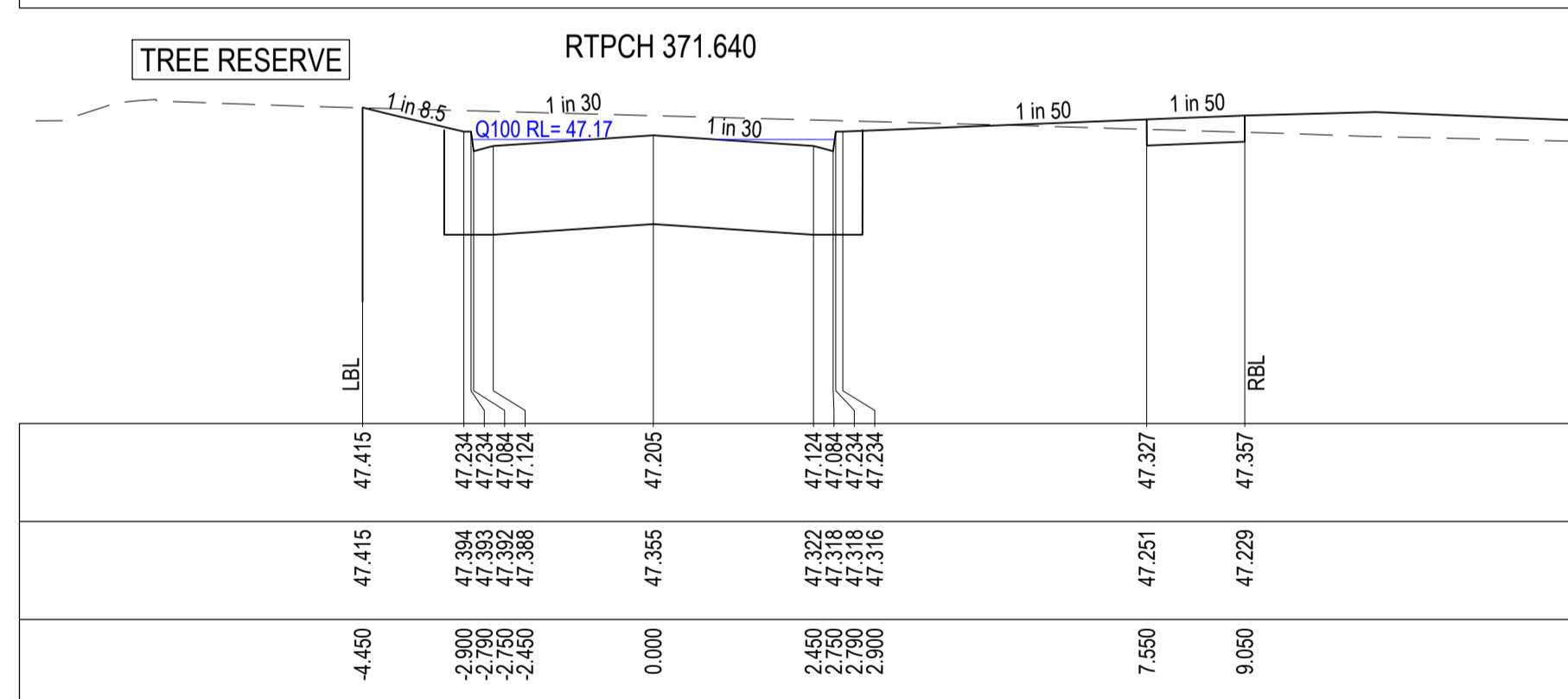
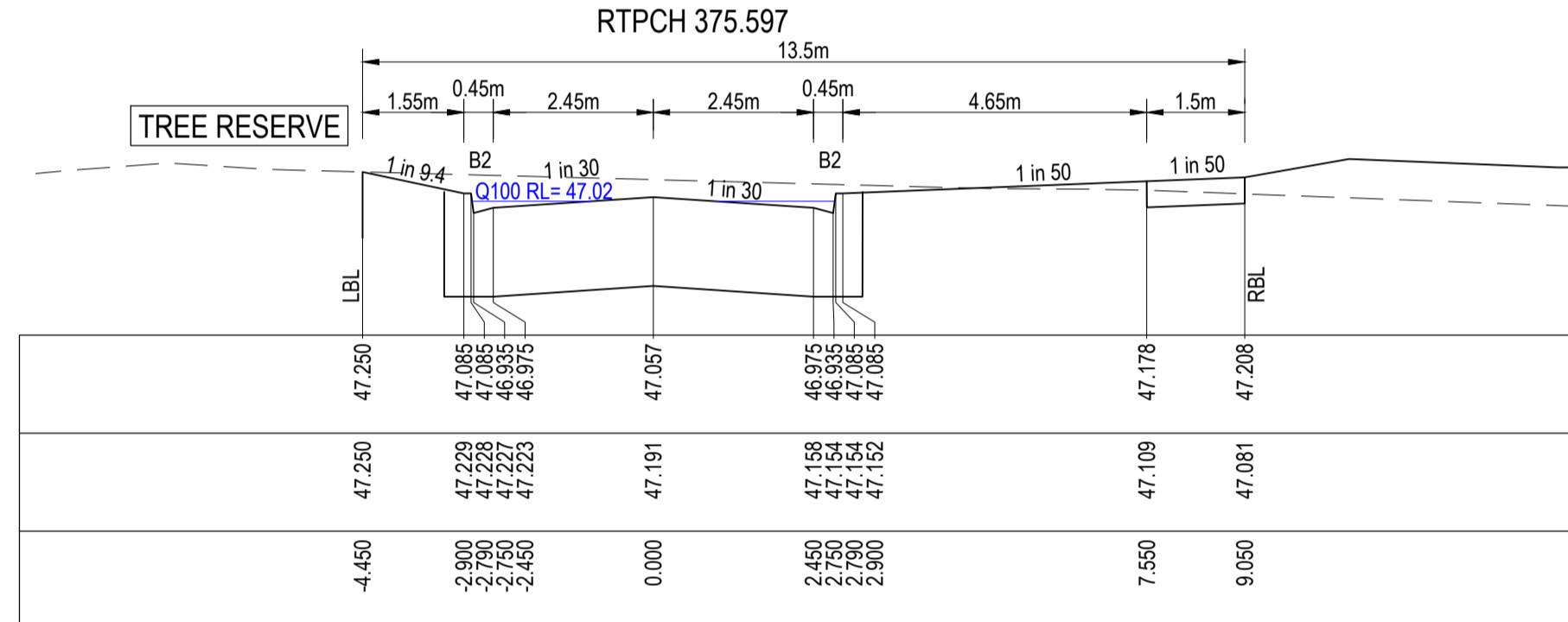
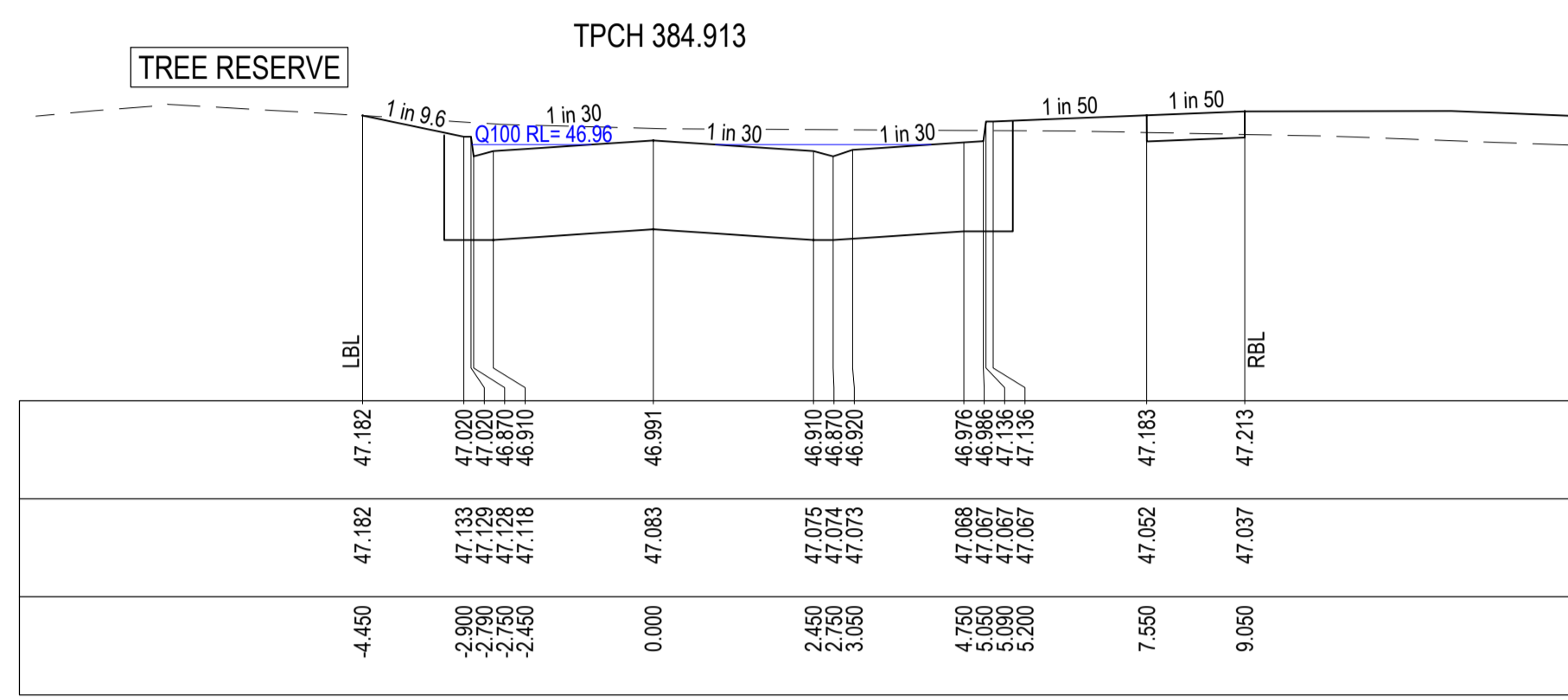
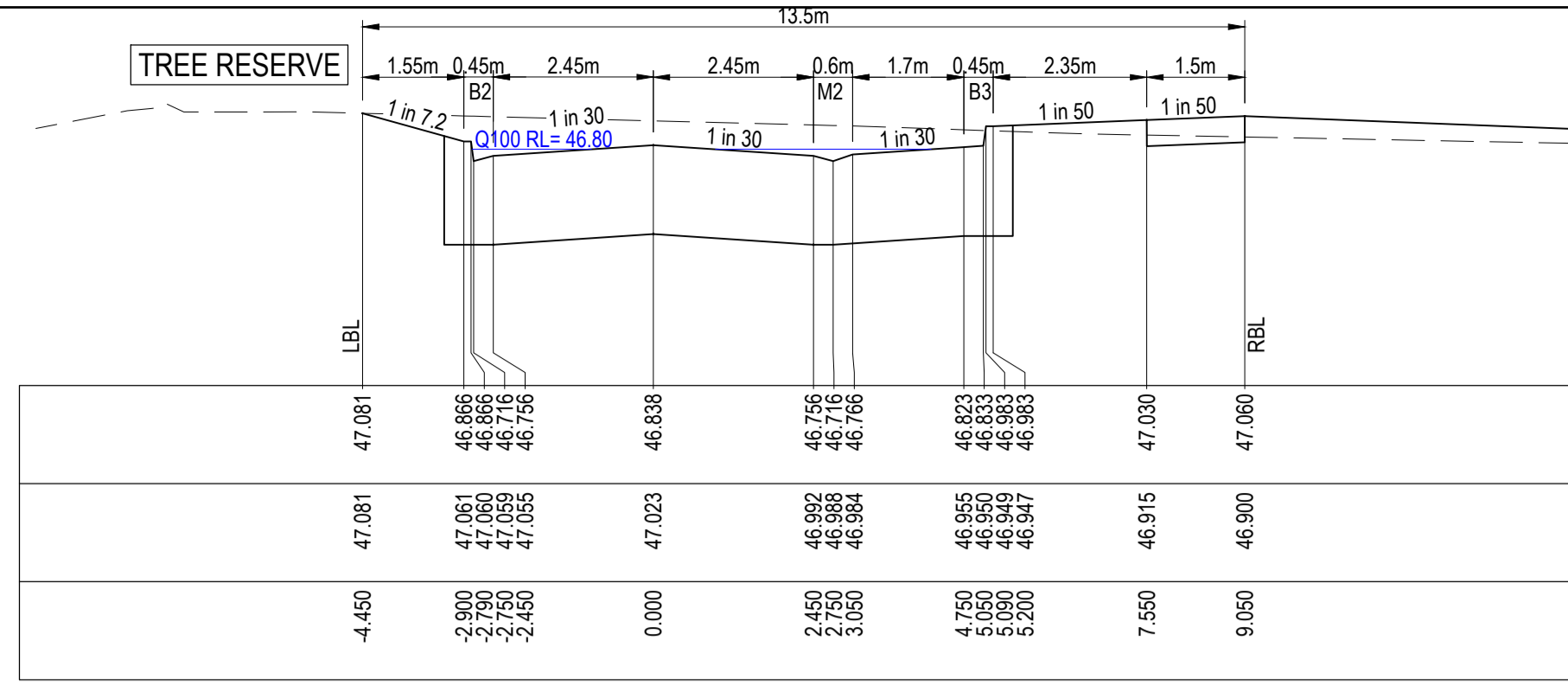
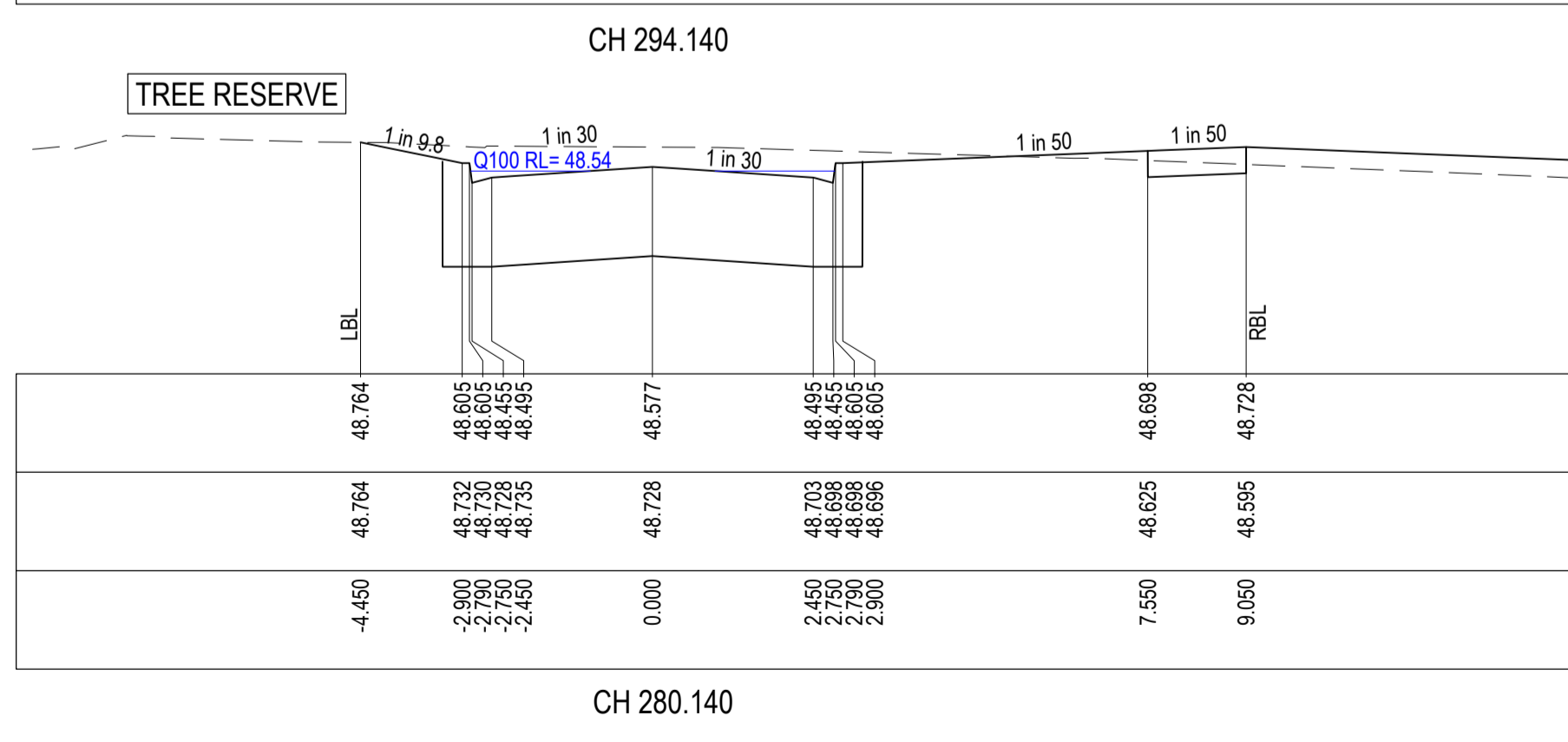
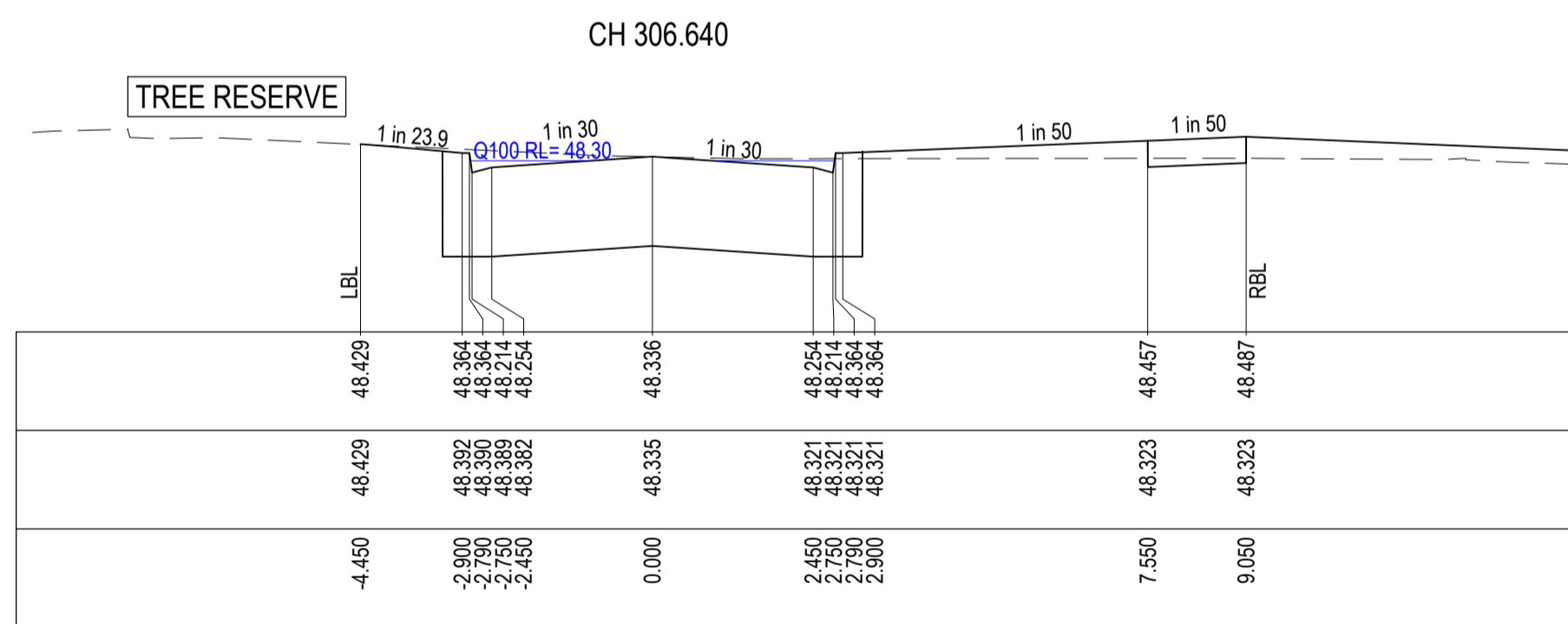
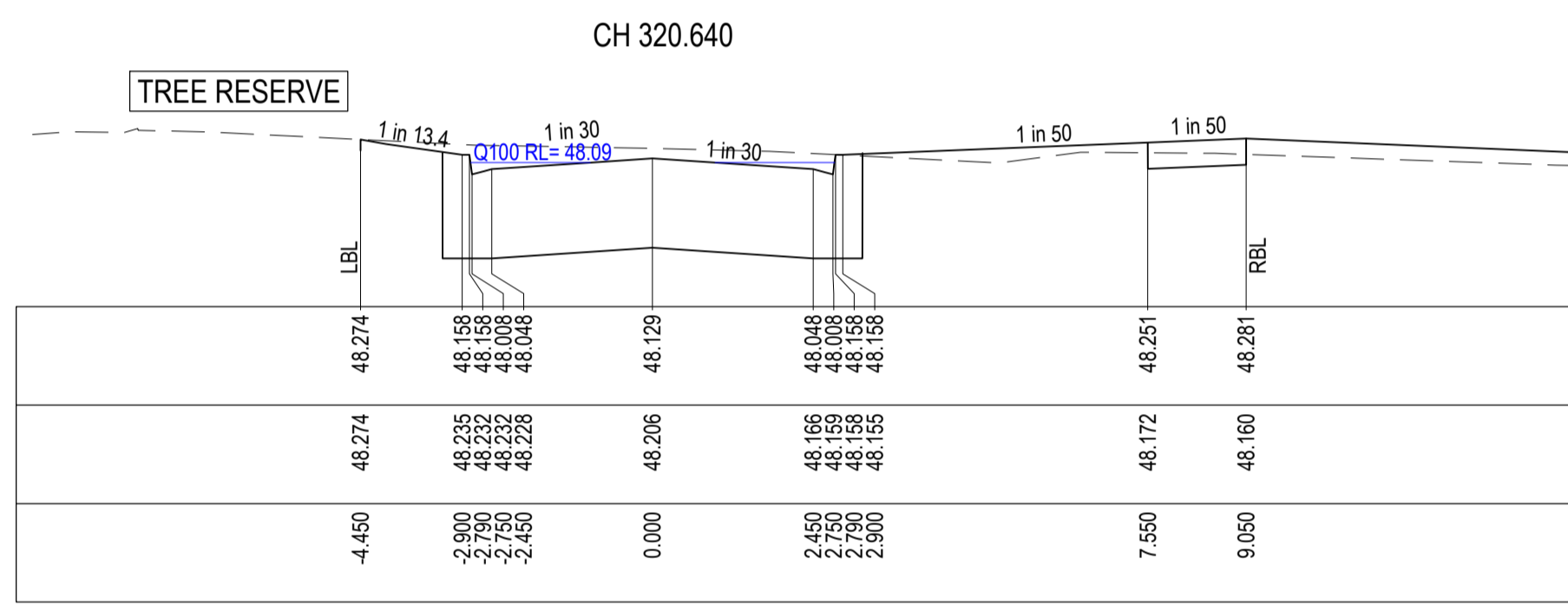
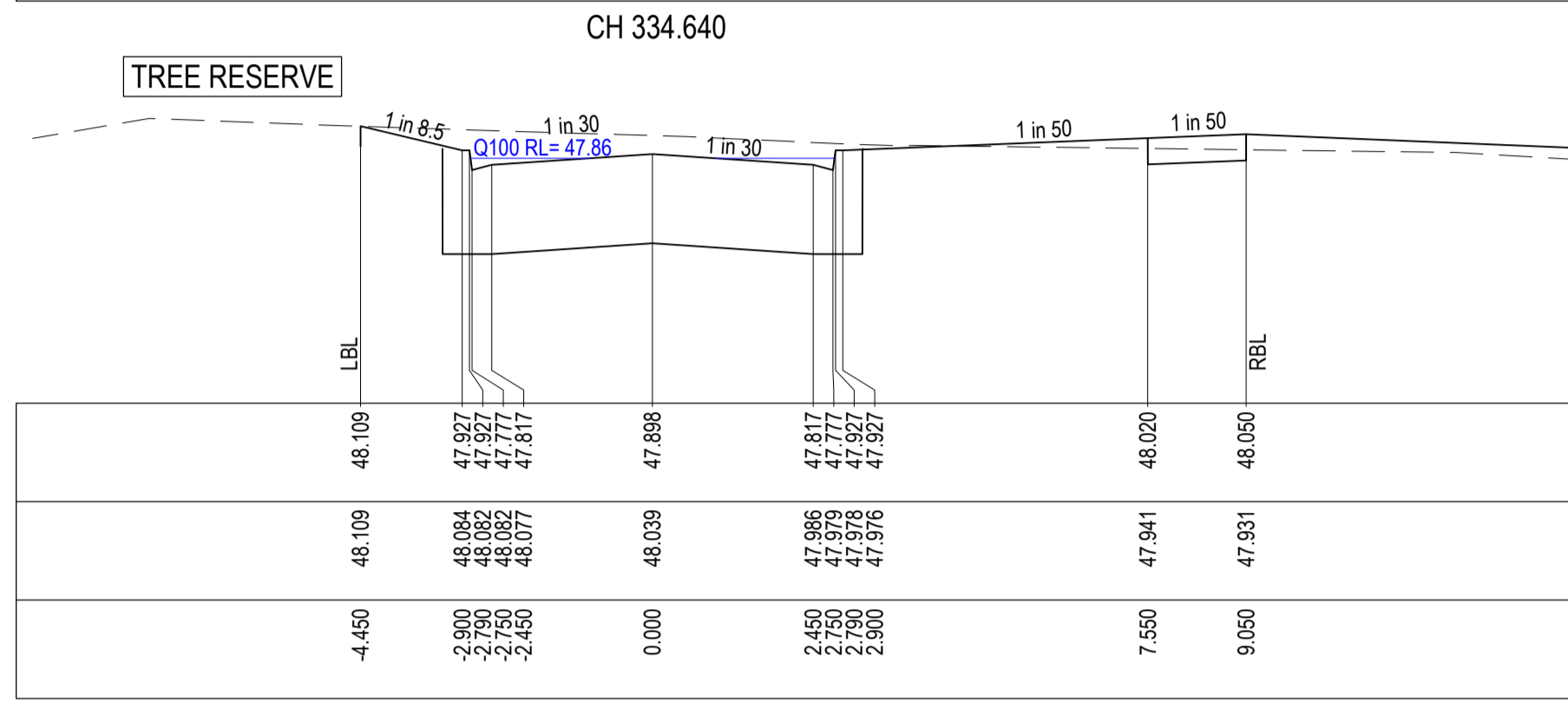
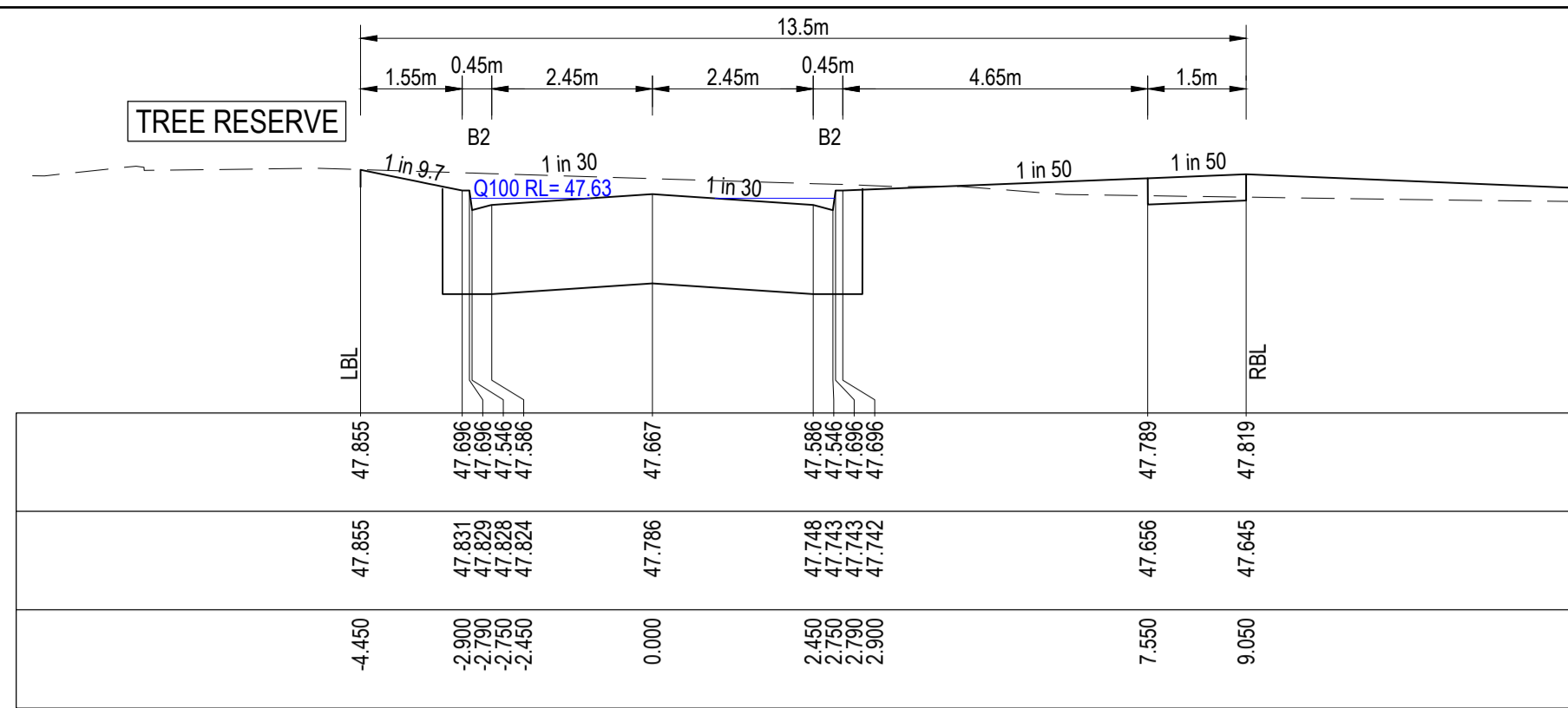
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



ARMSTRONG - STAGE 67
ROAD CROSS SECTIONS - 4
JOURNEY CRESCENT - SHEET 1

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R503	0



CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

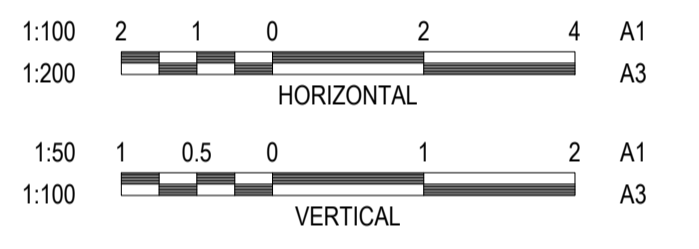
WARNING
BWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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
- EXISTING SURFACE
- DESIGN LINE
- SELECT FILL
- Q100 LEVEL



P:\2018\18016 - VILLAWOOD ARMSTRONG (R504) 15/07/21\2 - DRAFTING\CAD\18016.67 - R504 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 AT DUNEED

**ARMSTRONG - STAGE 67
 ROAD CROSS SECTIONS - 5
 JOURNEY CRESCENT - SHEET 2**

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R504	0

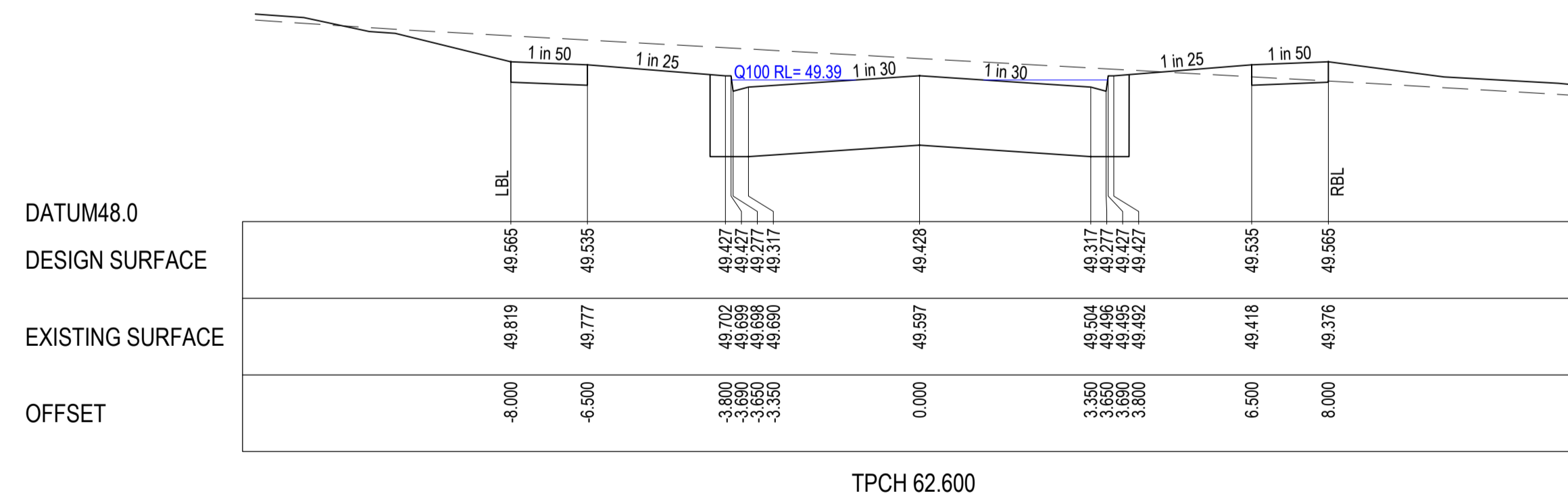
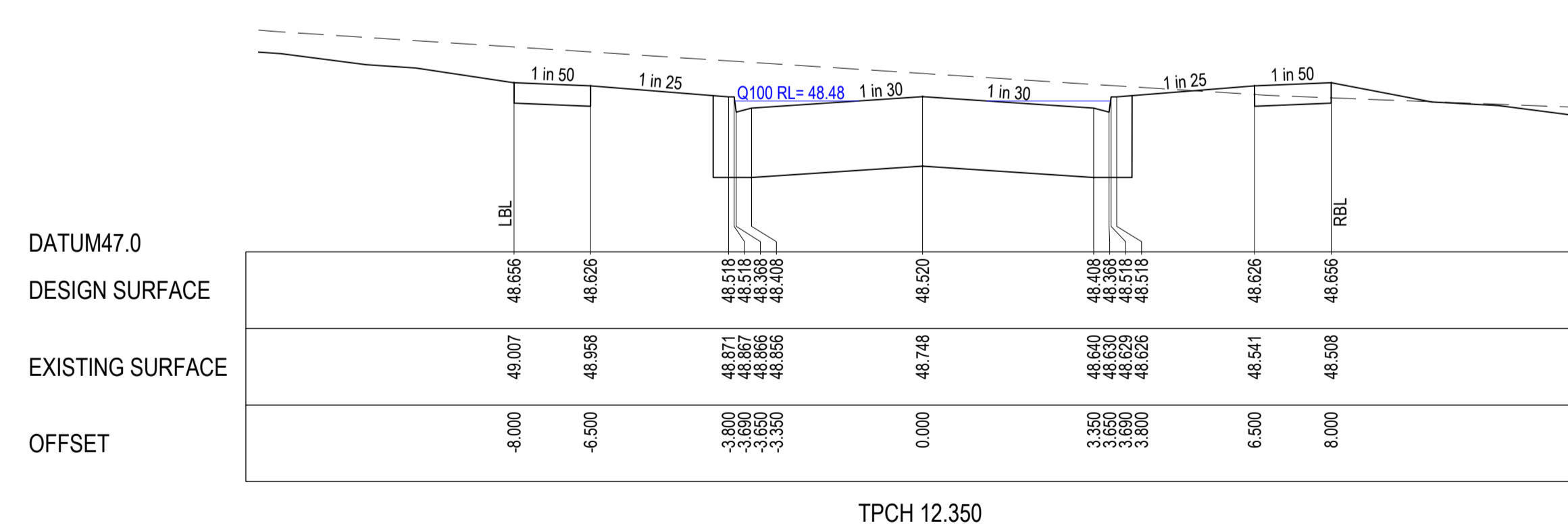
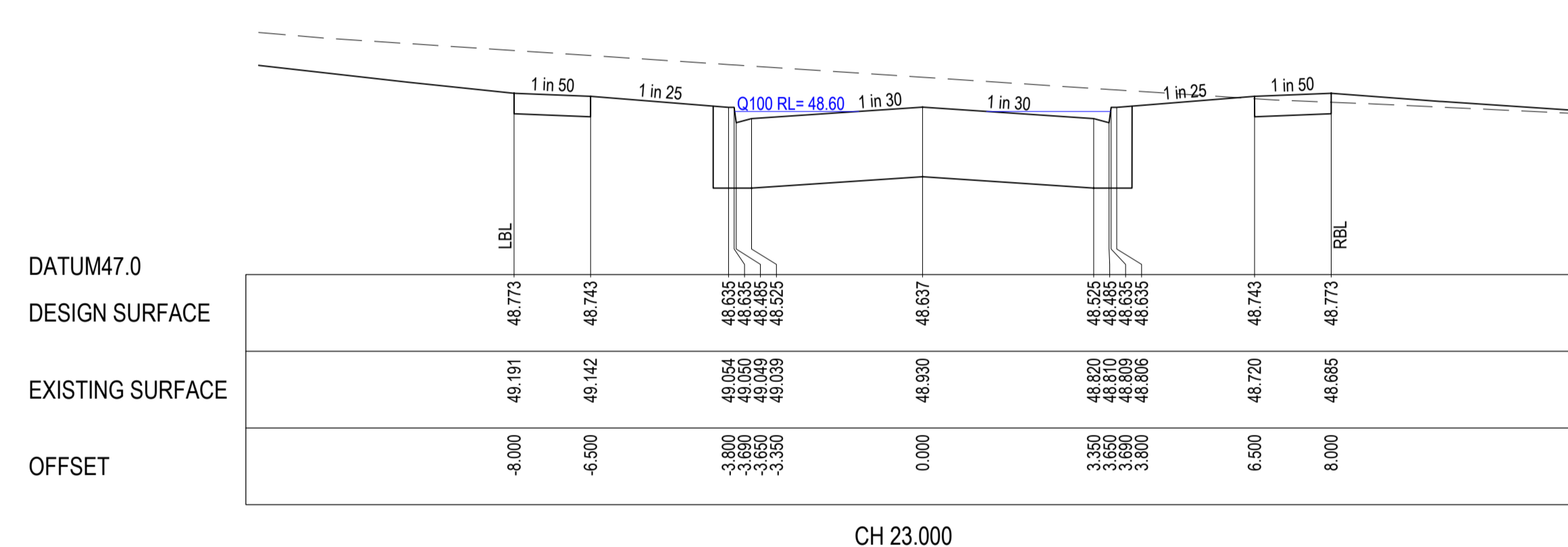
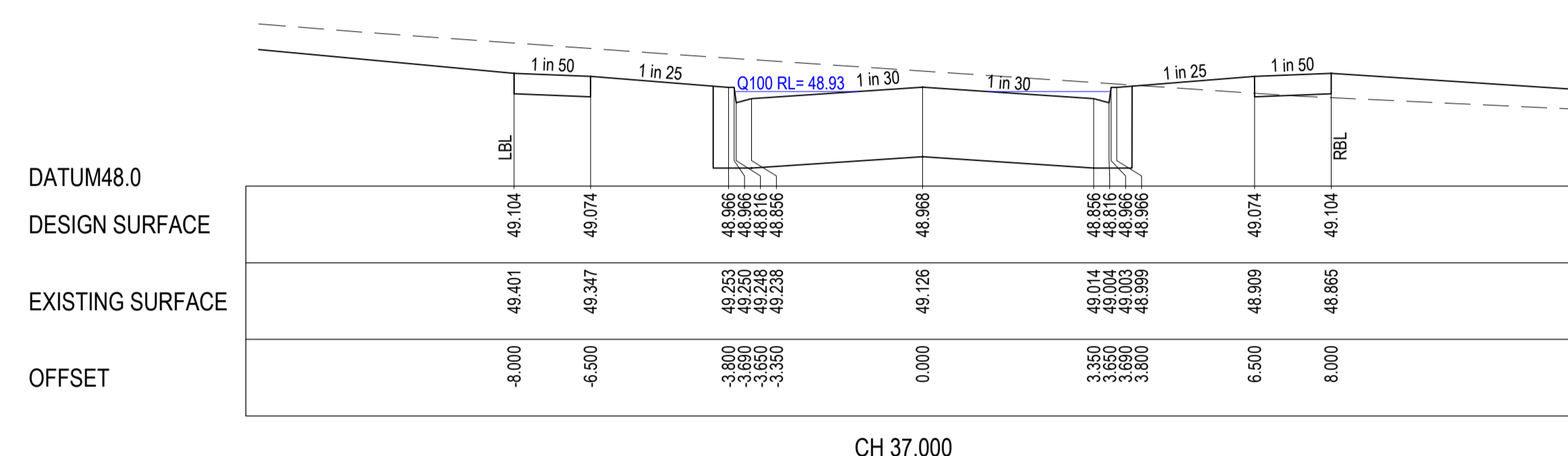
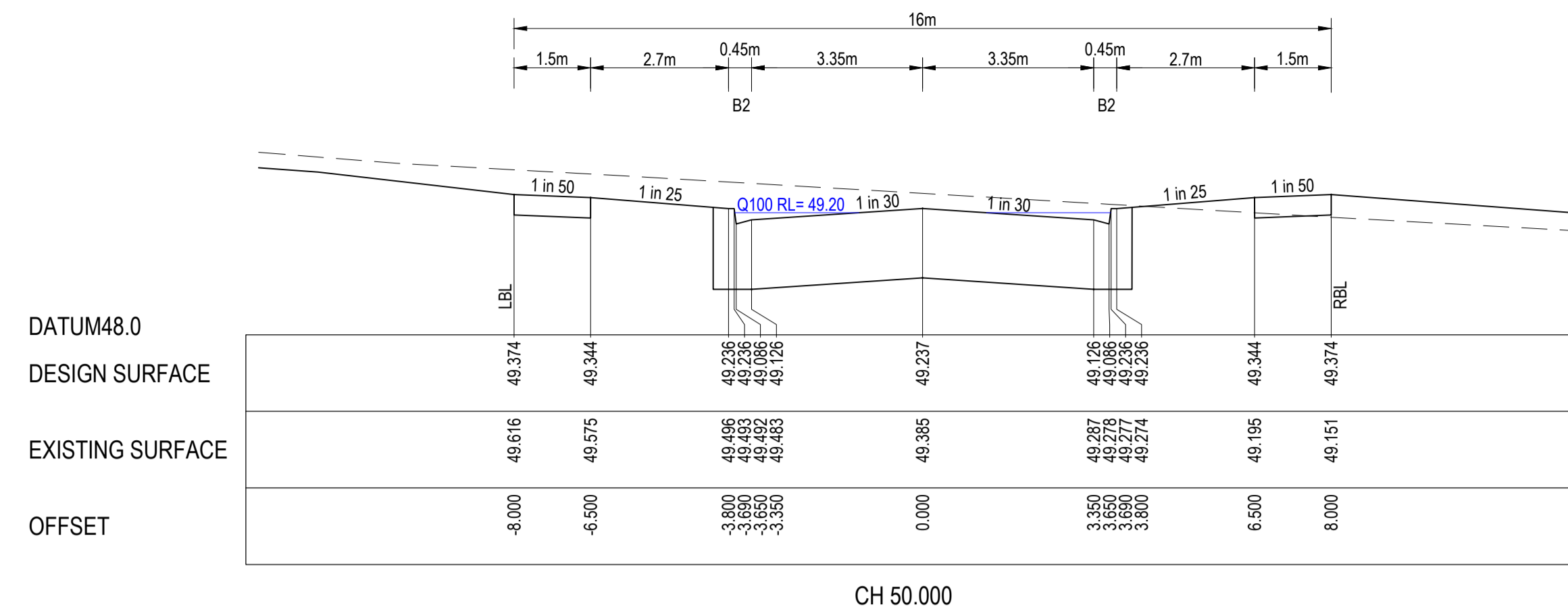
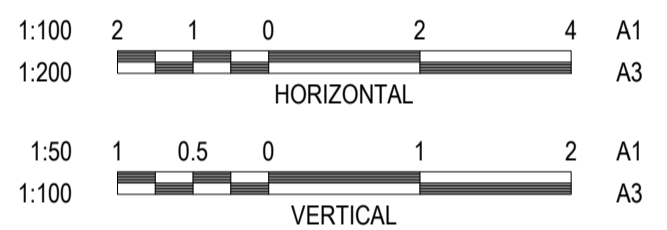
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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
- - - EXISTING SURFACE
- DESIGN LINE
- SELECT FILL
- Q100 LEVEL
- ▨ SELECT FILL



P:\2018\18016 - VILLAWOOD WARRINGTONS\18016_67\DWG\12_DRAFTING\CAD\18016_67_18016_67_ROAD_CROSS_SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 MT DUNEED

ARMSTRONG - STAGE 67
ROAD CROSS SECTIONS - 6
ETERNITY WAY

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R505	0

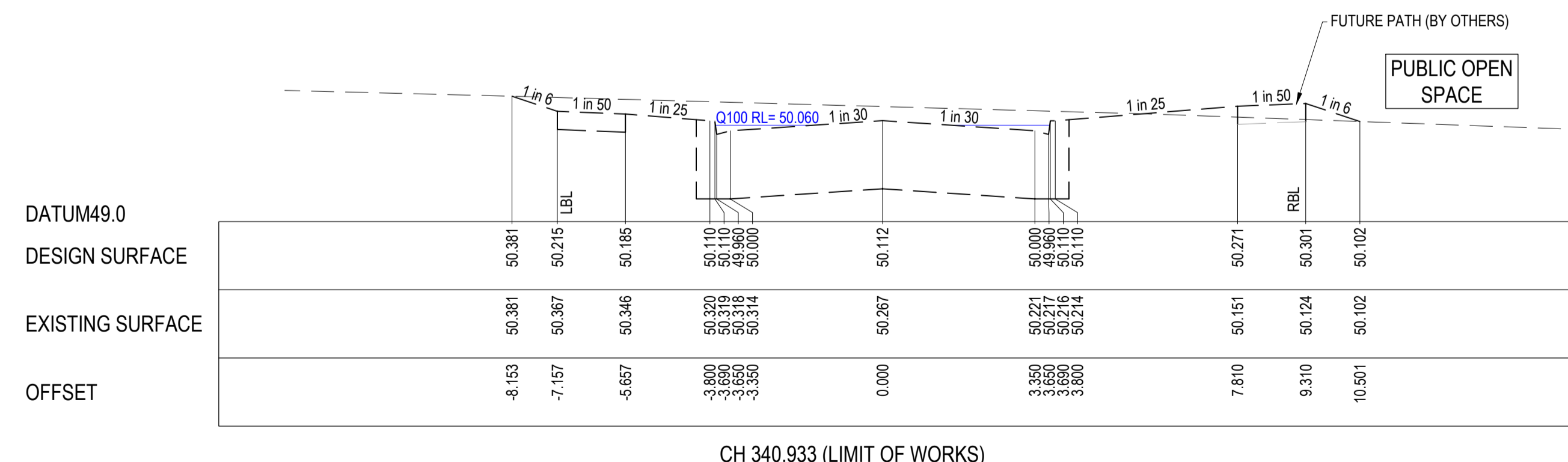
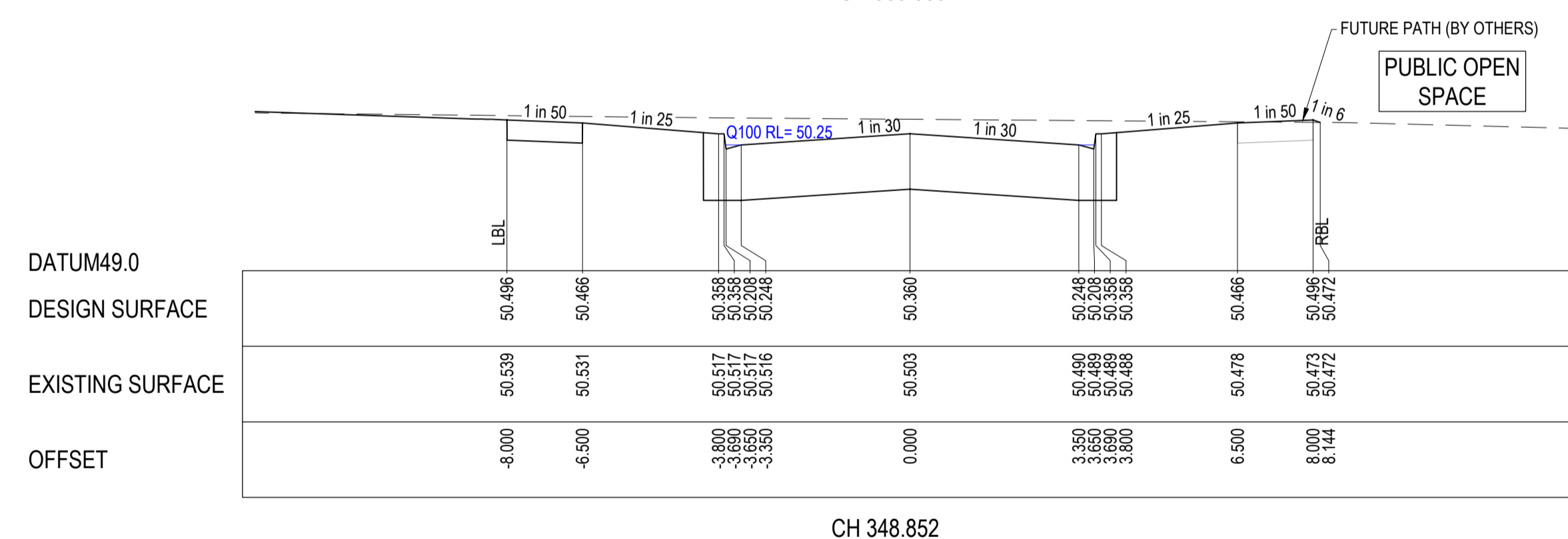
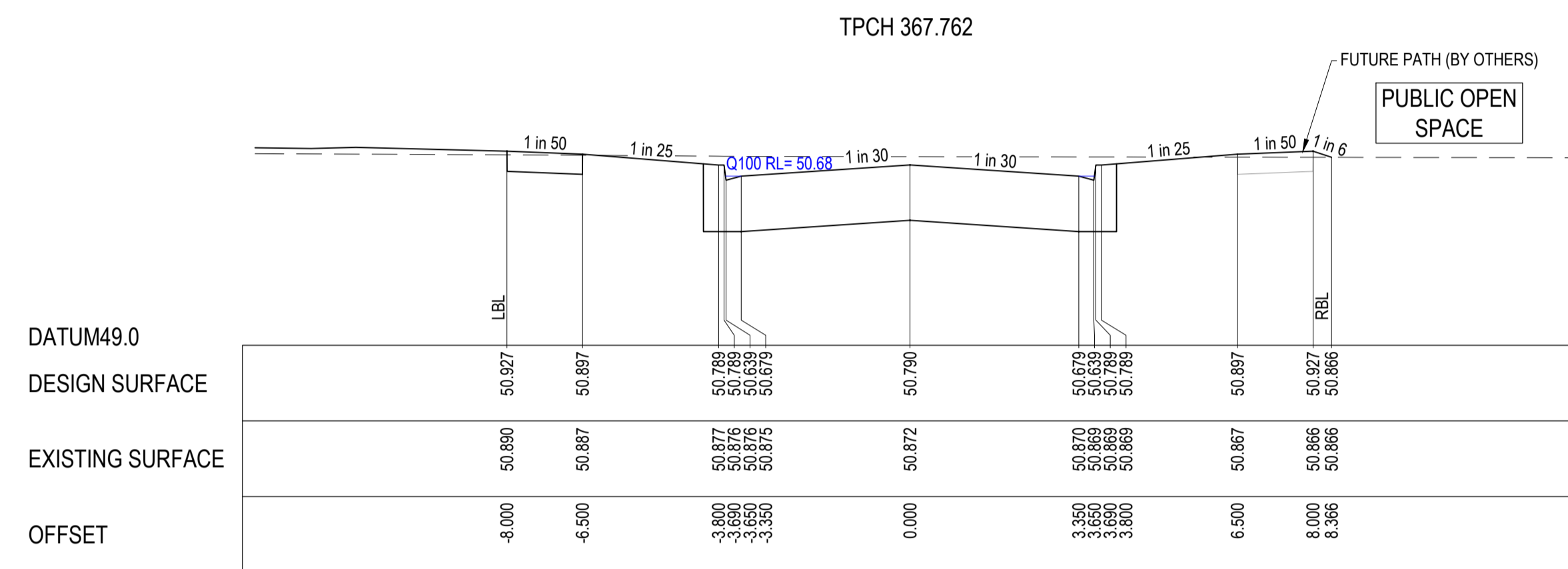
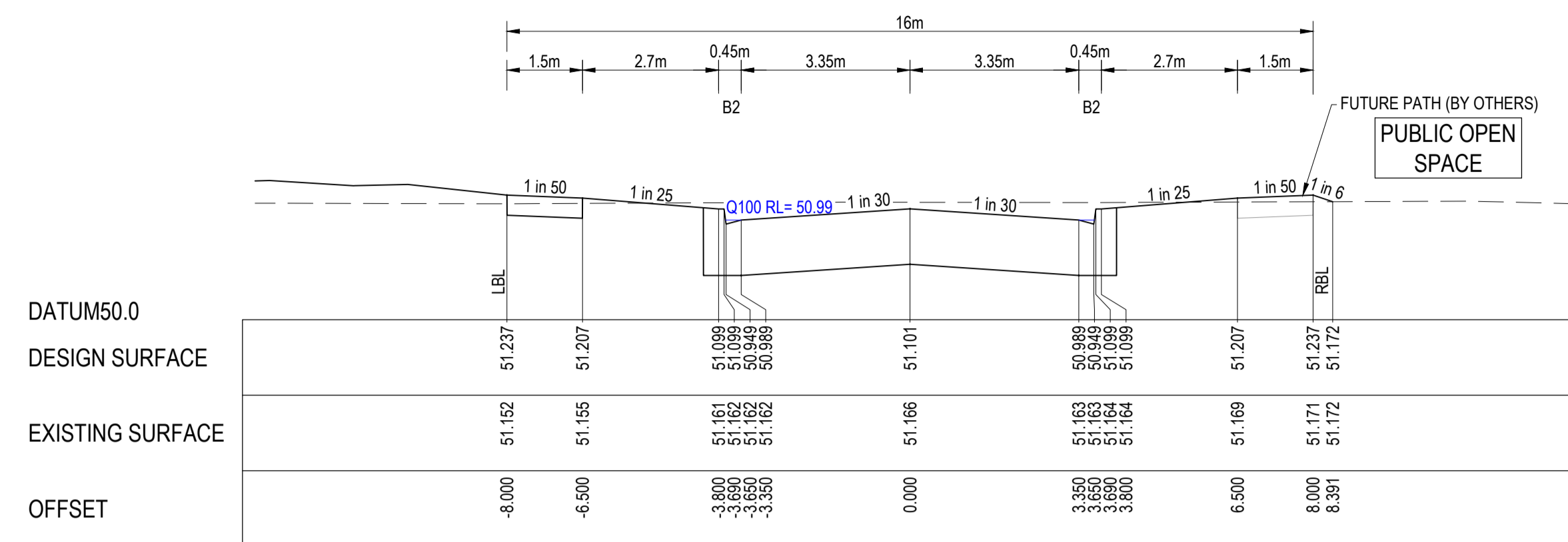
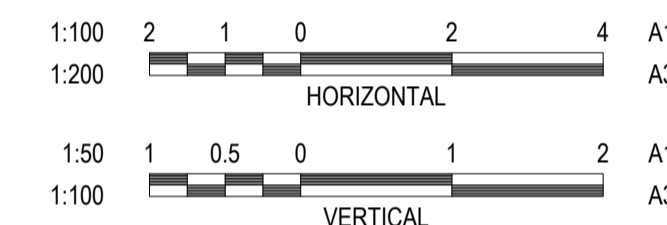
WARNING
BWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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 SURFACE
- DESIGN LINE
- Q100 LEVEL
- SELECT FILL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 AT DUNDEE

ARMSTRONG - STAGE 67 ROAD CROSS SECTIONS - 7 WANDERLUST DRIVE

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R506	0

P:\2018\180016 - VILLAWOOD WANDERLUST DRIVE STAGE 67 CIVIL2 DRAFTING\CAD\180016\67 - R506 - ROAD CROSS SECTIONS.DWG

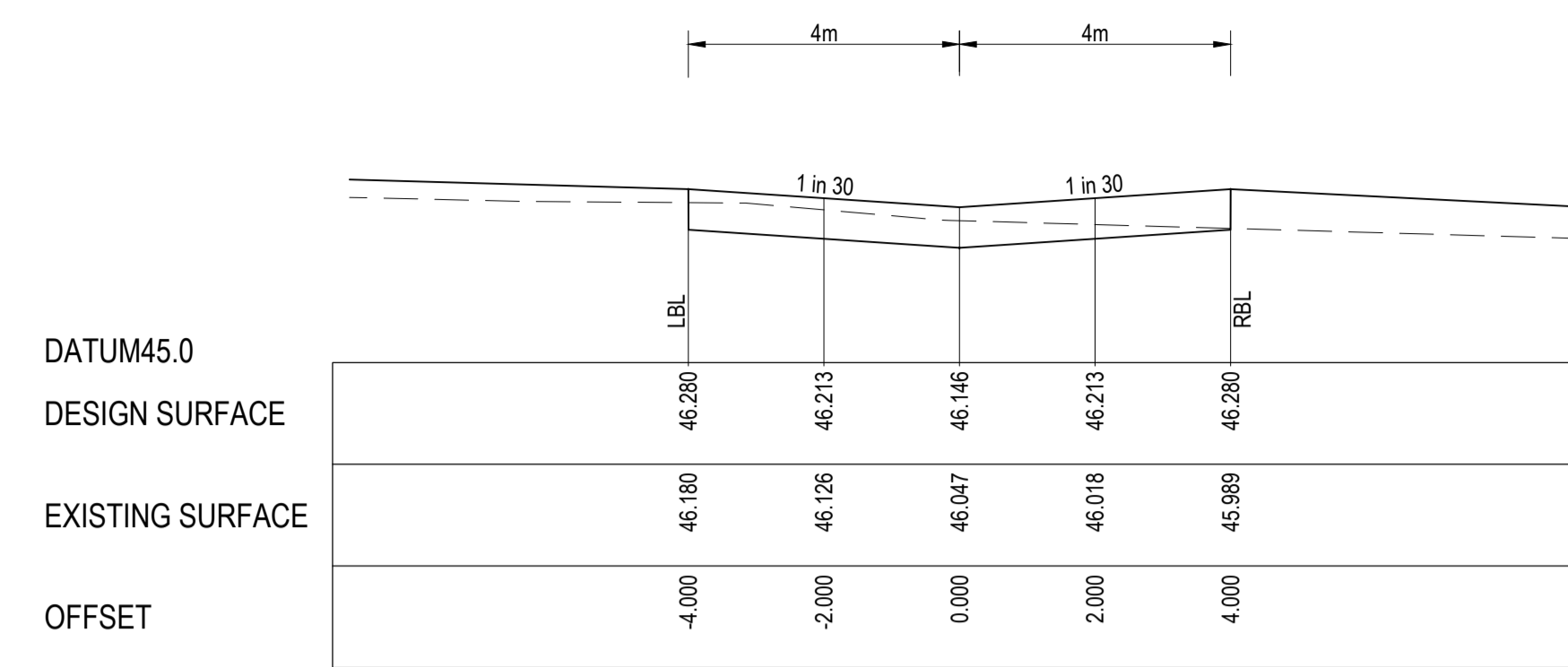
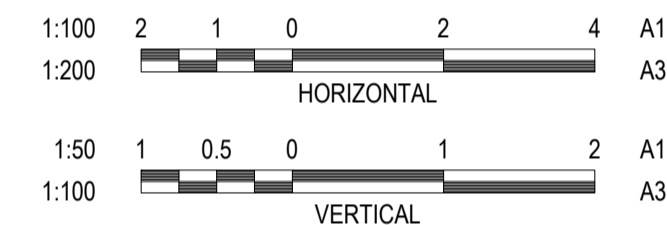
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
DIAL 1100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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

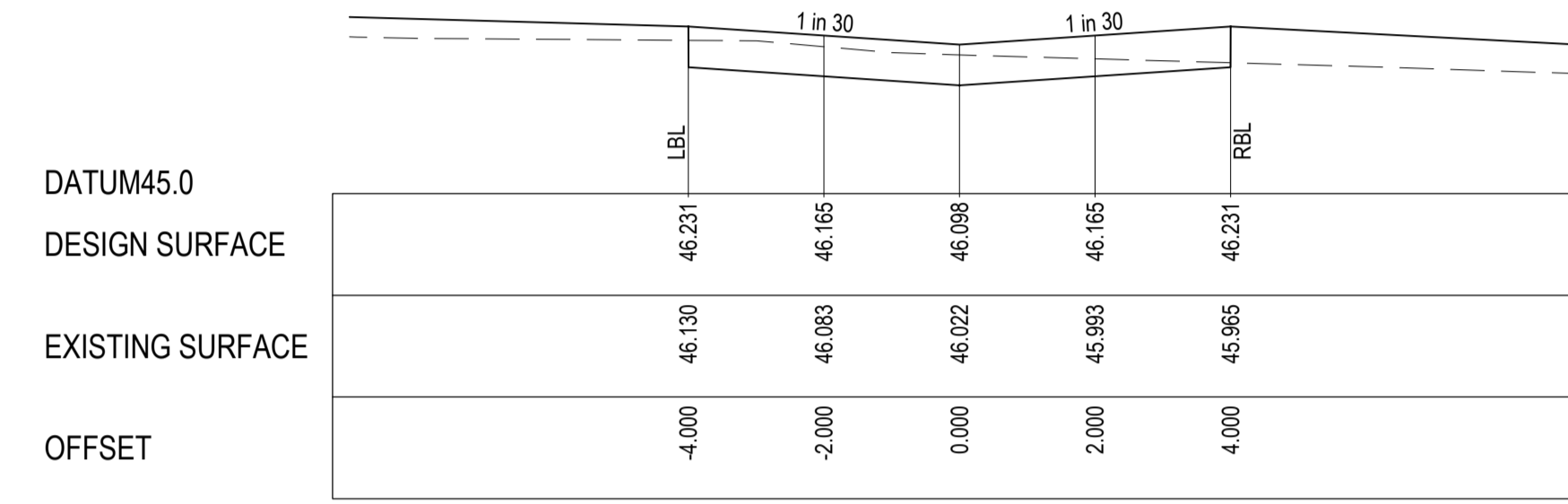
NOTE
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

LEGEND

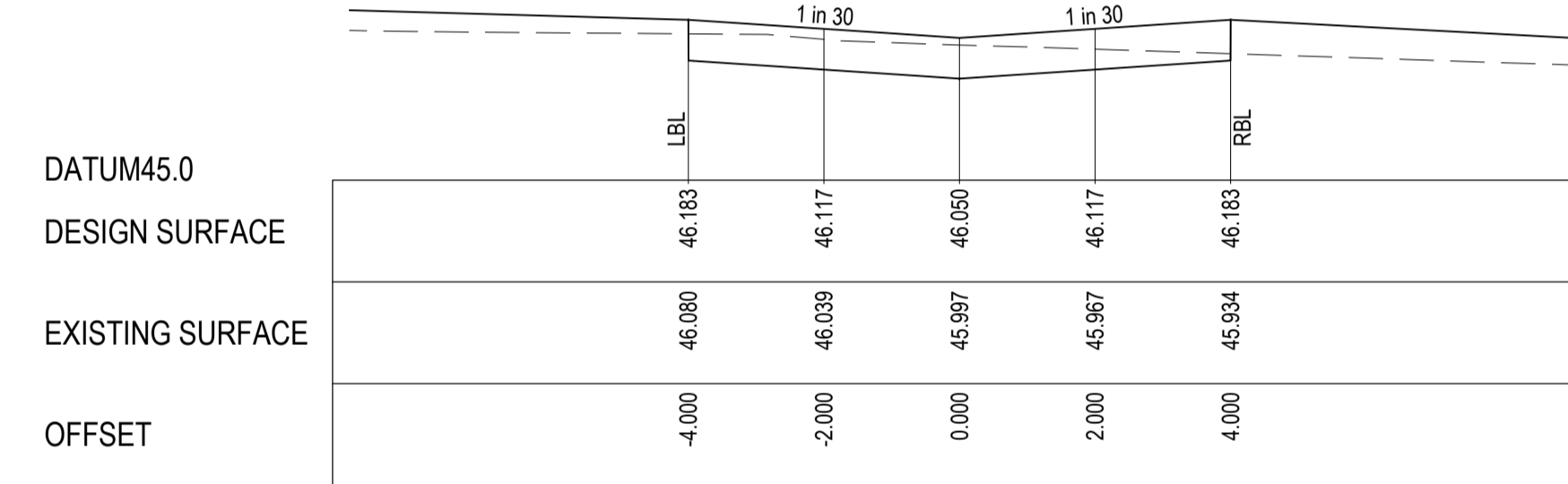
- EXISTING SURFACE
- - - - EXISTING SURFACE
- DESIGN LINE
- SELECT FILL
- Q100 LEVEL
- [Hatched Box] SELECT FILL



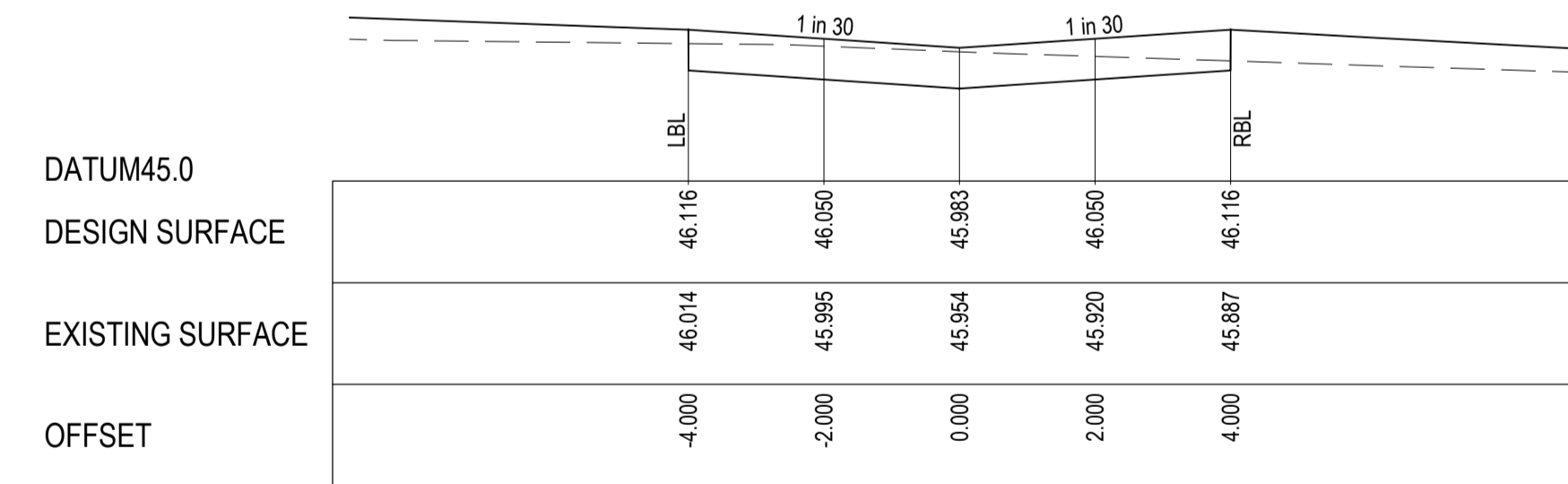
CH 23.805



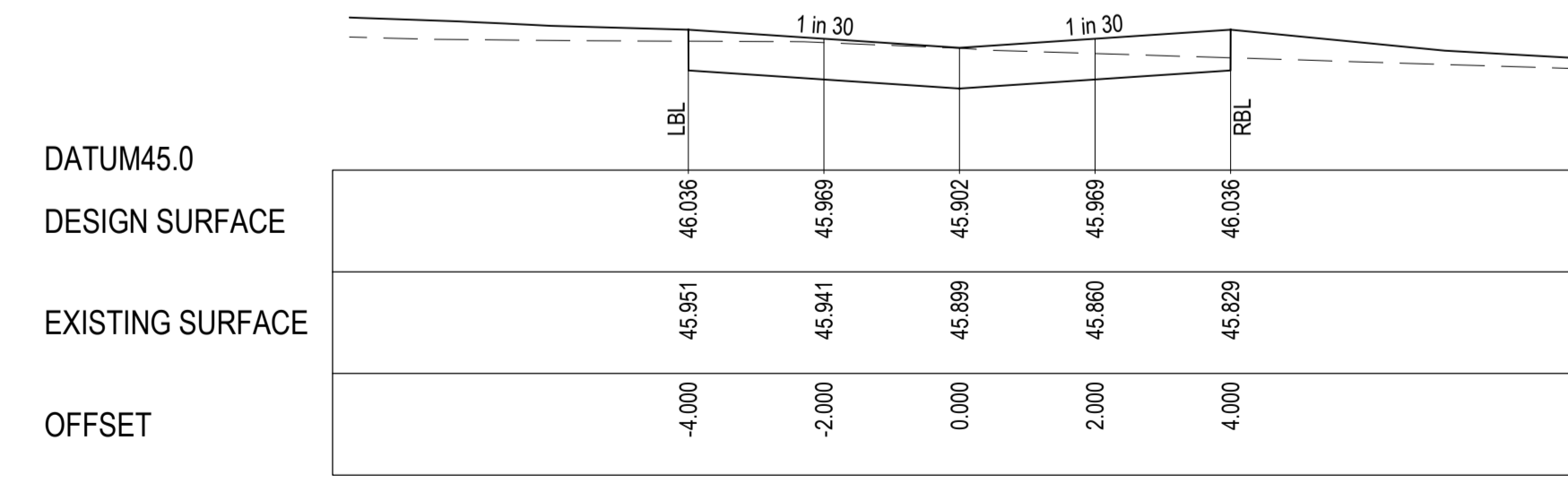
CH 19.505



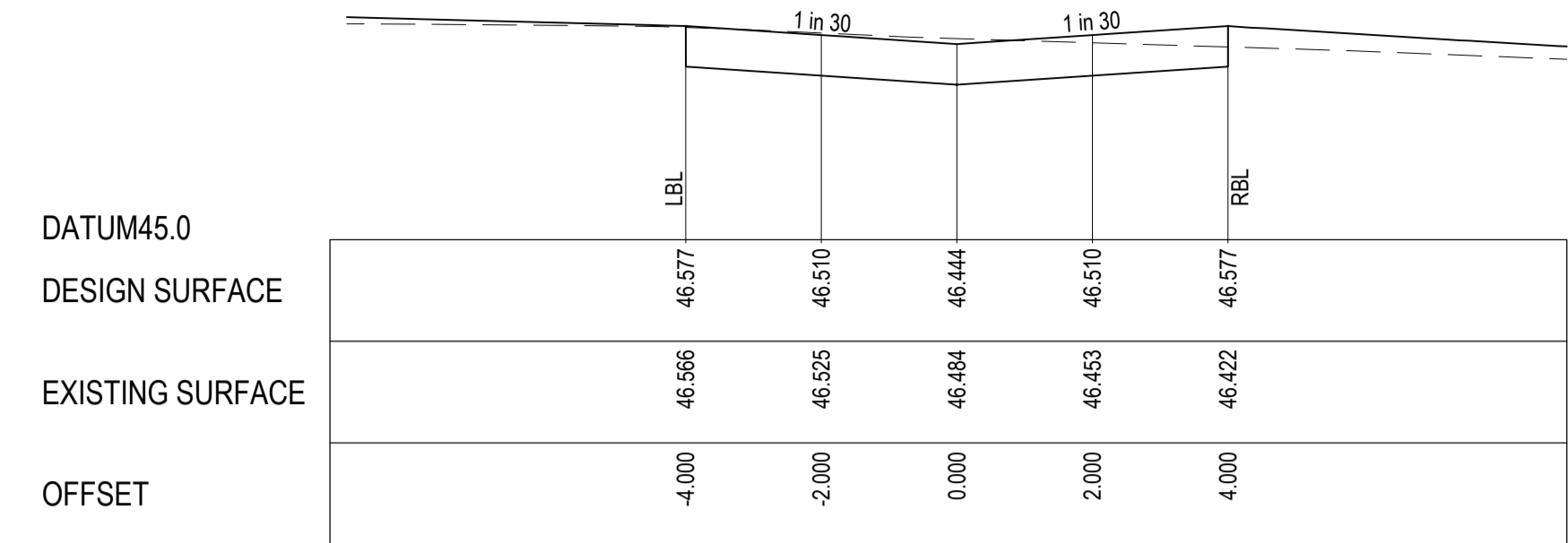
CH 15.205



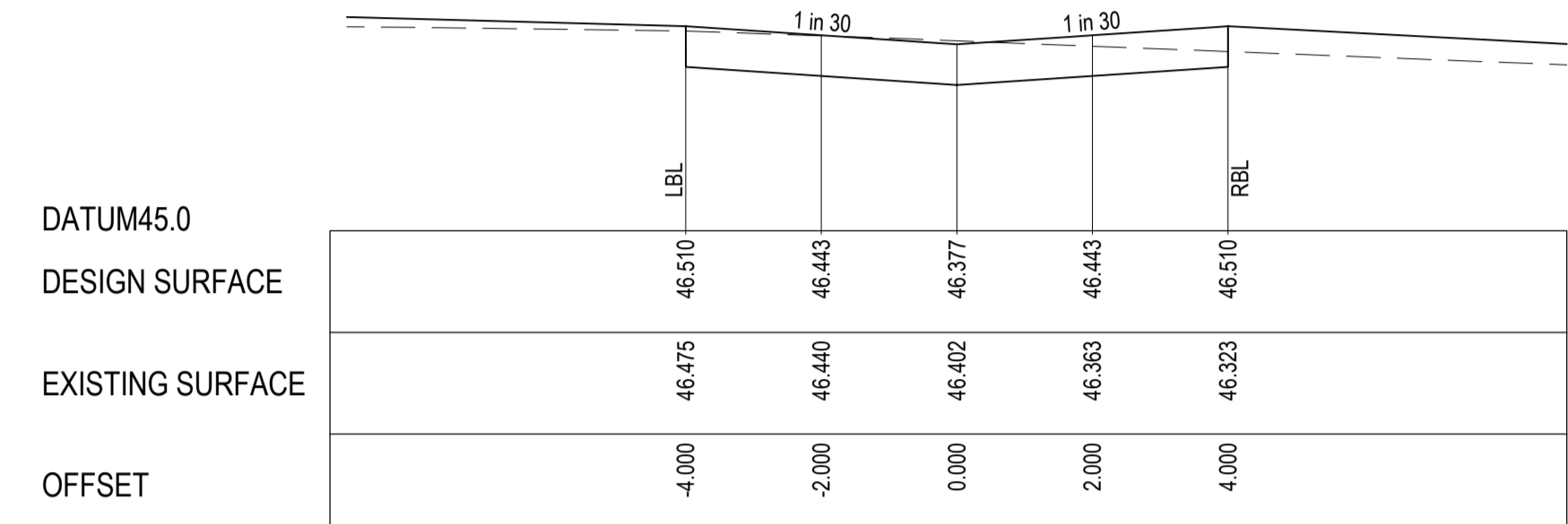
CH 9.205



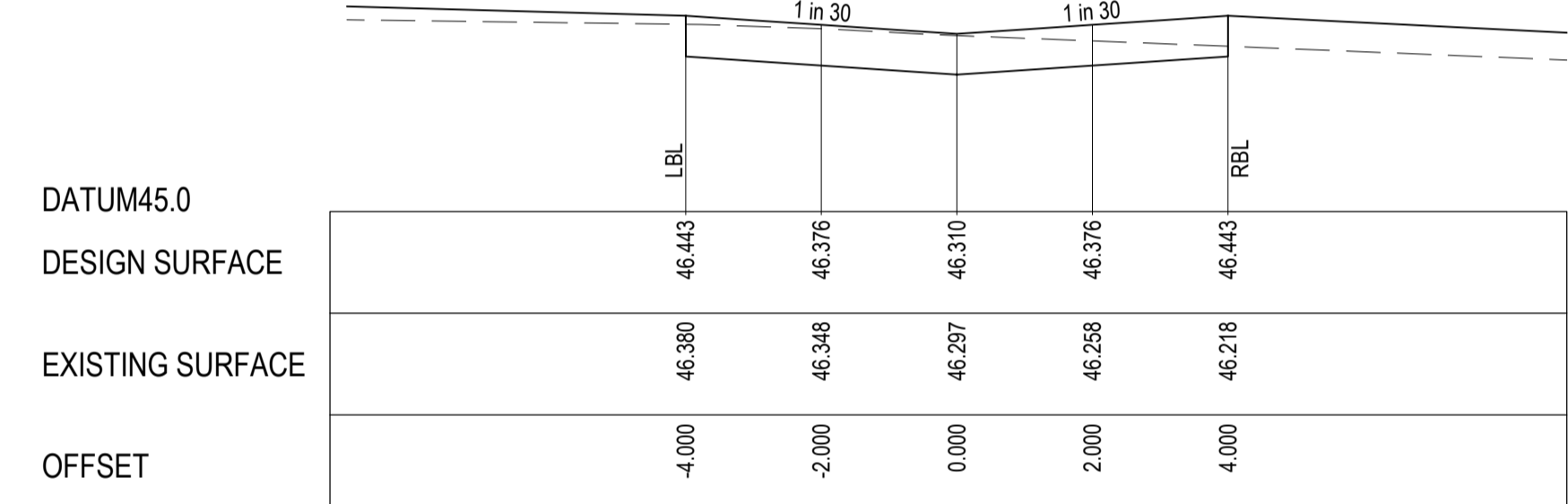
CH 2.000



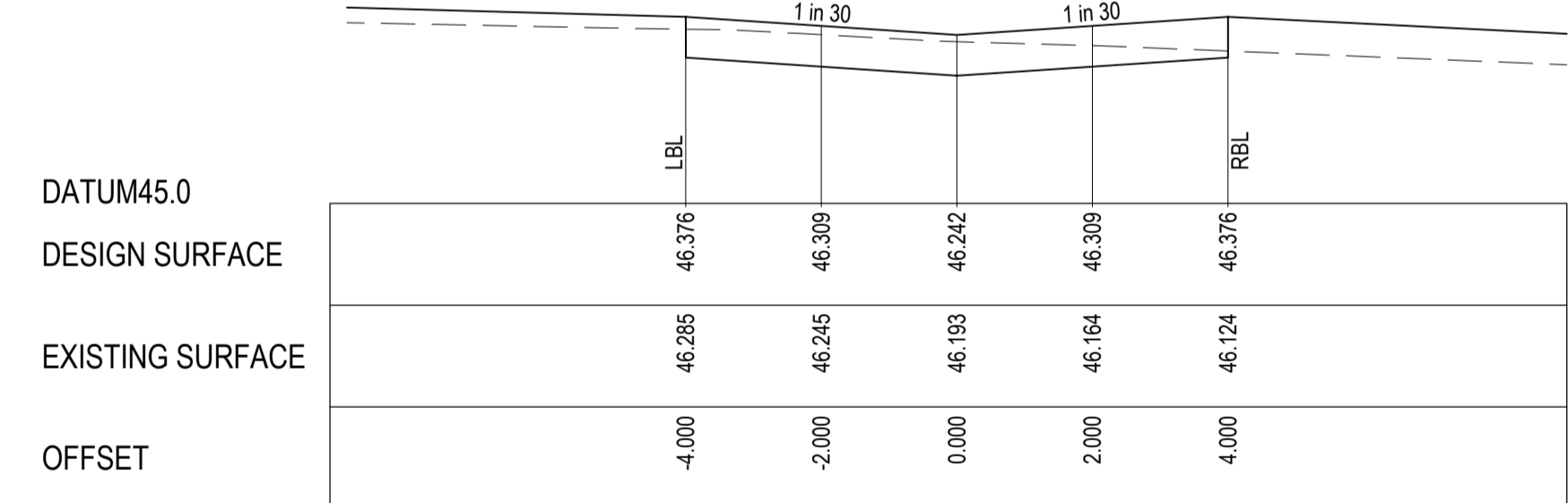
CH 50.405



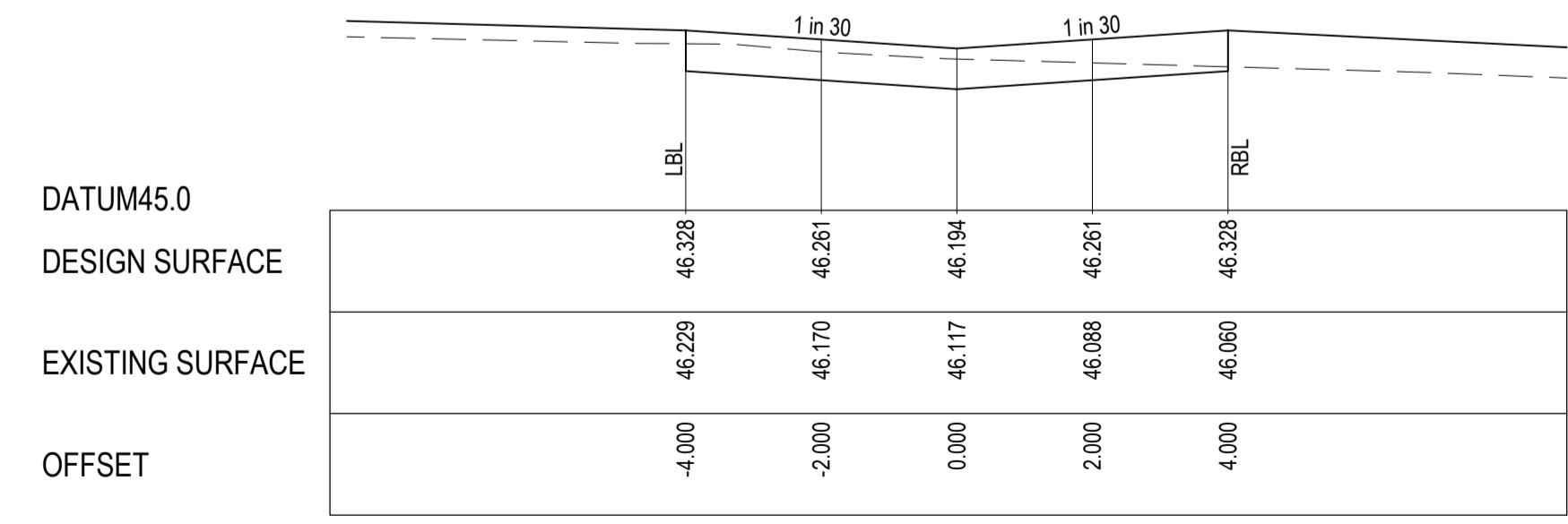
CH 44.405



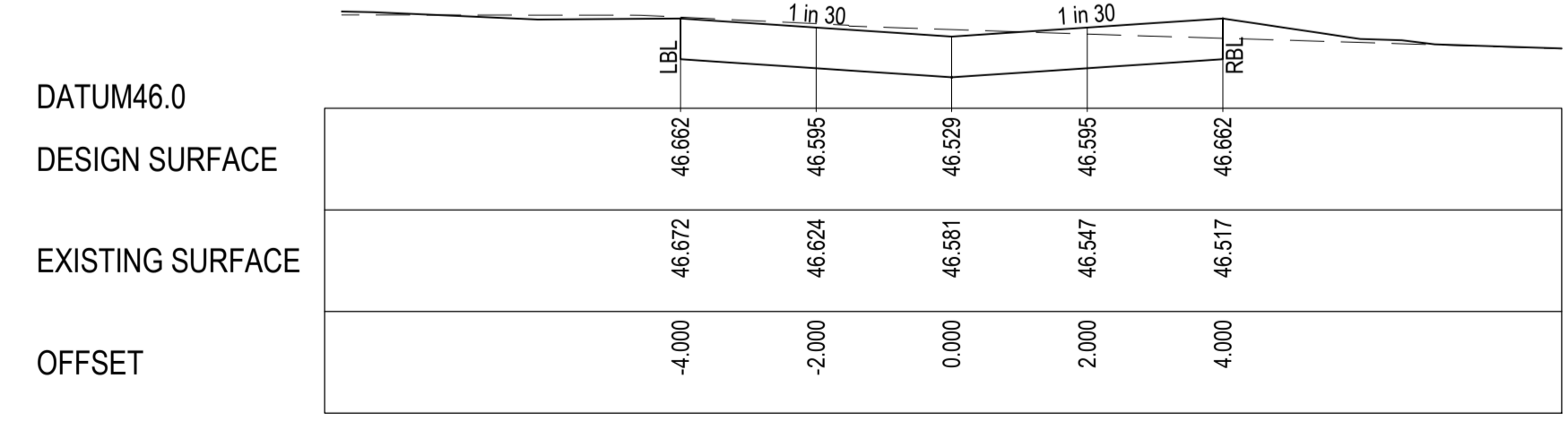
CH 38.405



CH 32.405



CH 28.105



CH 58.000

P:\2018\18016 - VILLAWOOD AMBITION LANE STAGE 67 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

DRAWING TITLE

ARMSTRONG - STAGE 67
ROAD CROSS SECTIONS - 8
AMBITION LANE

STATUS

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R507	2

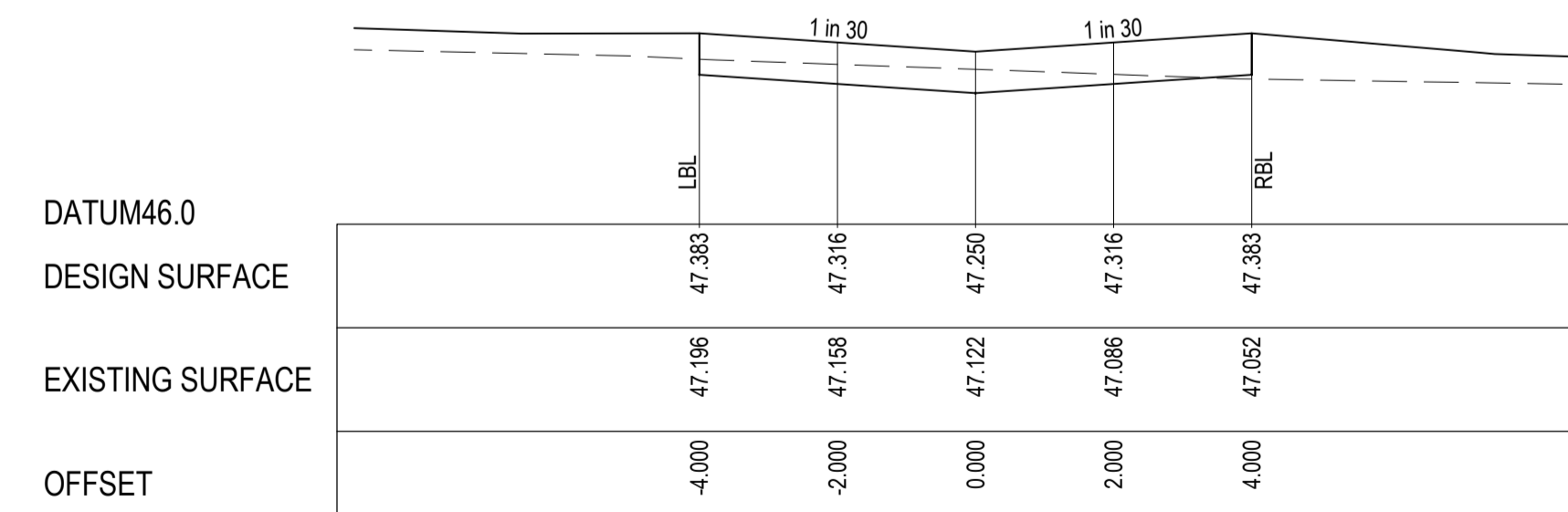
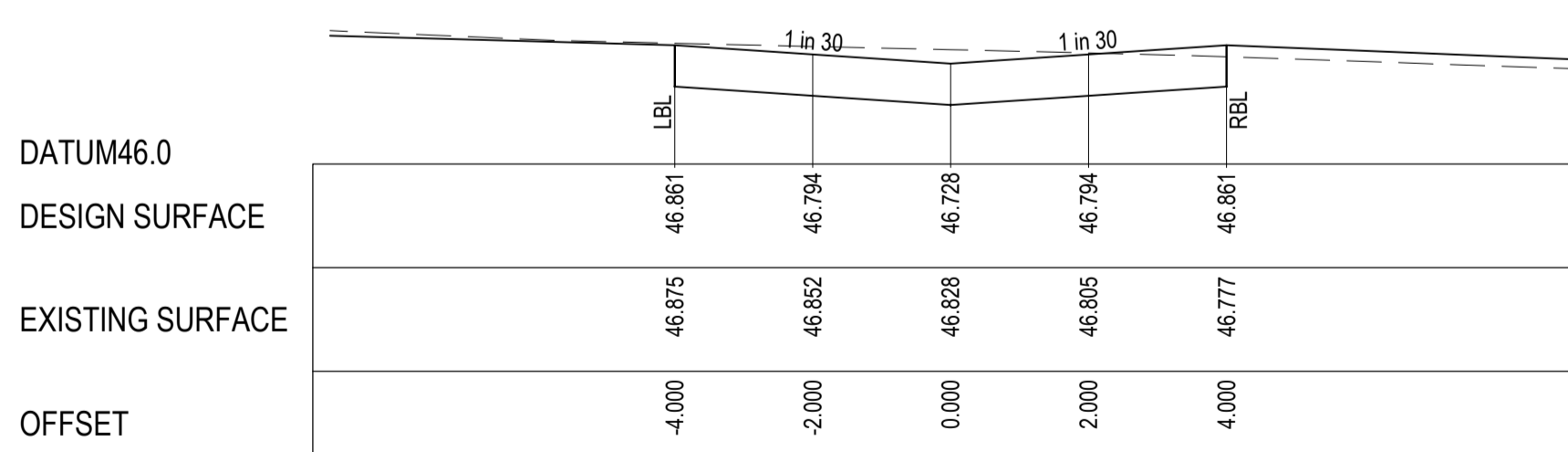
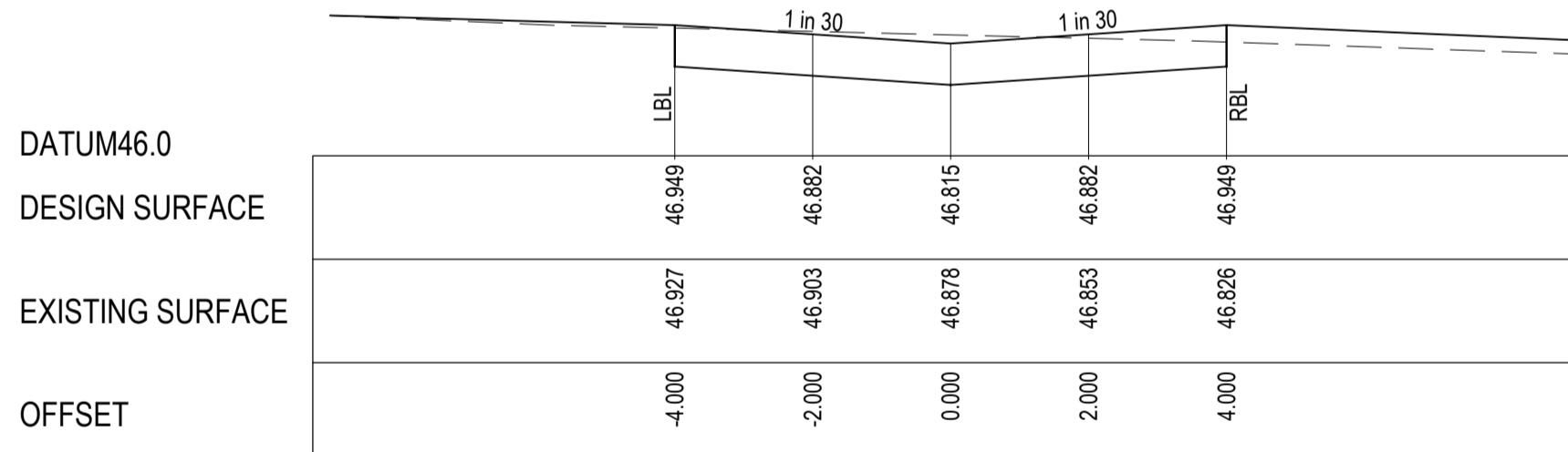
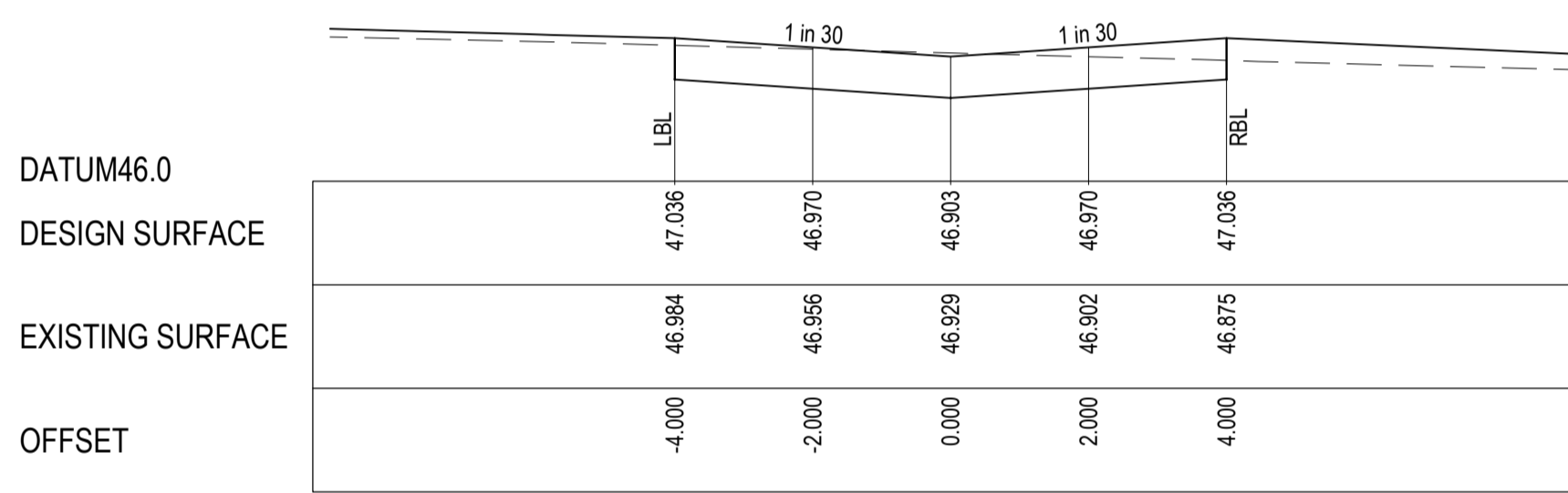
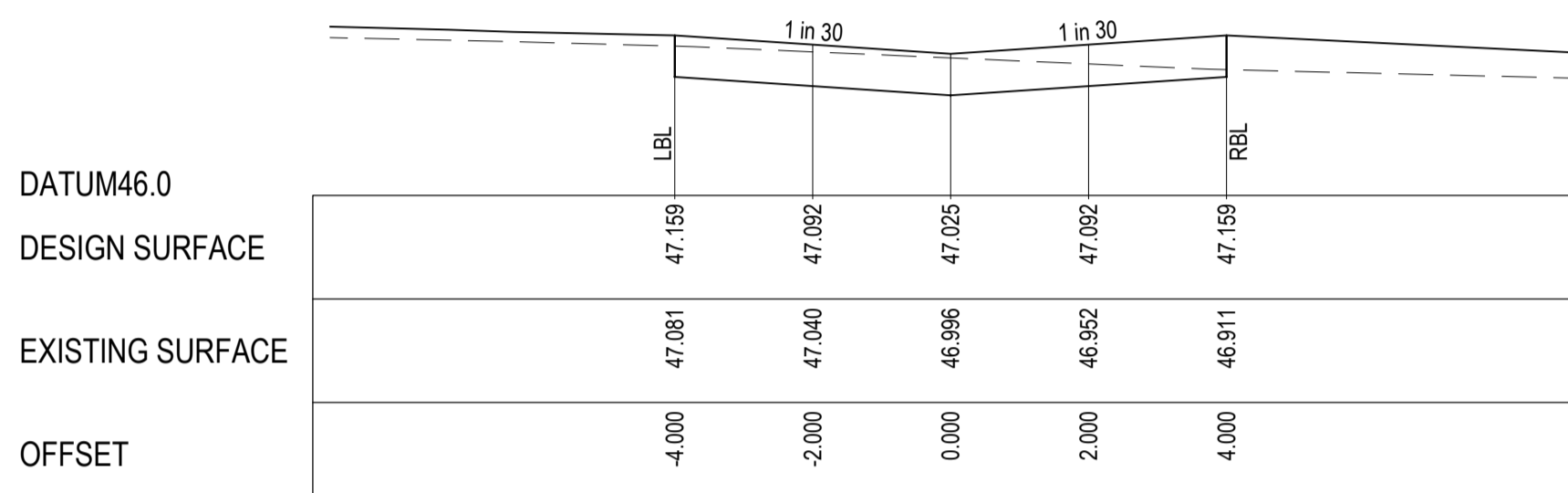
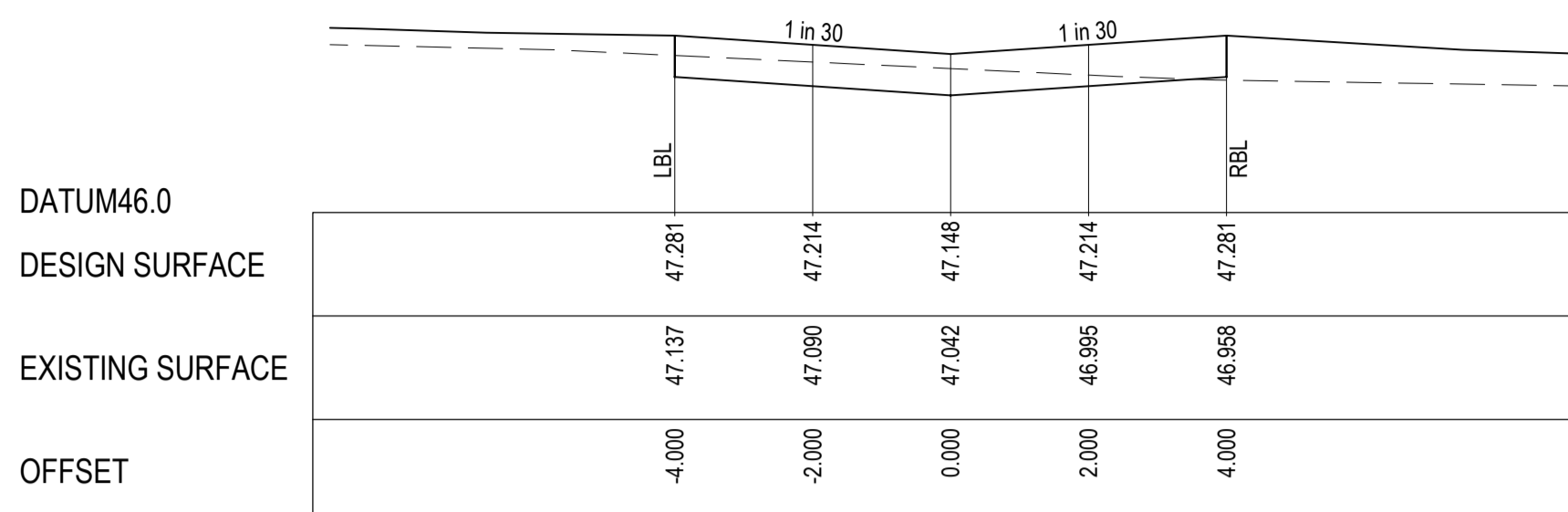
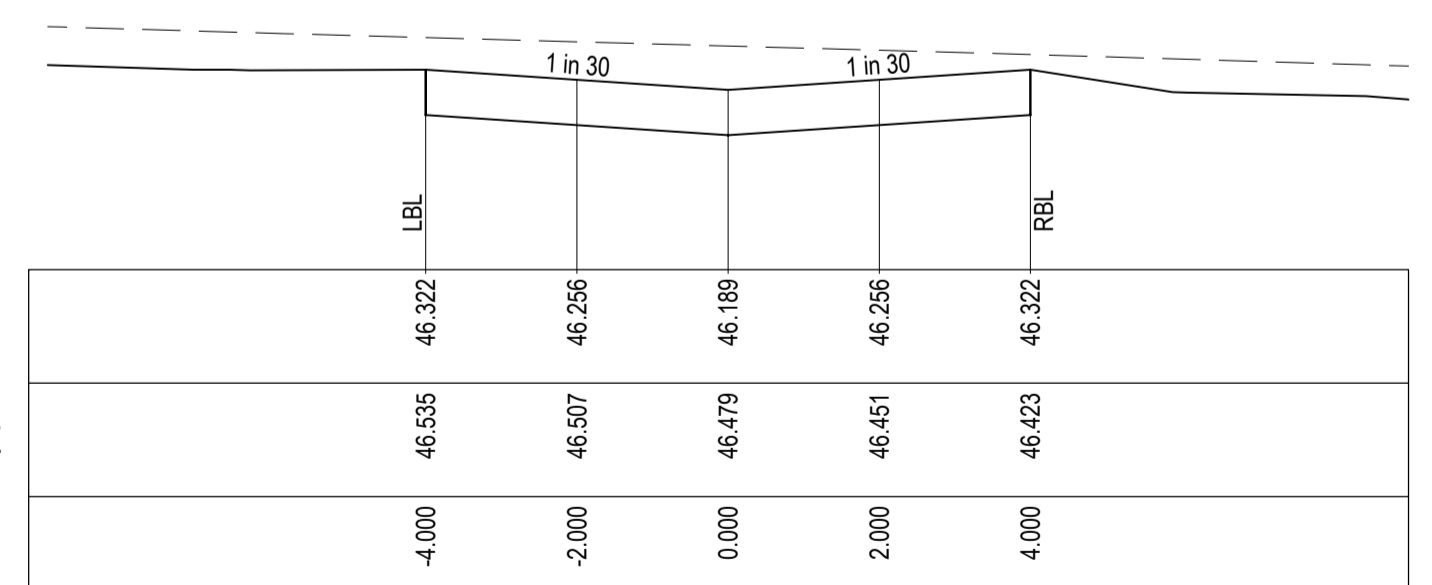
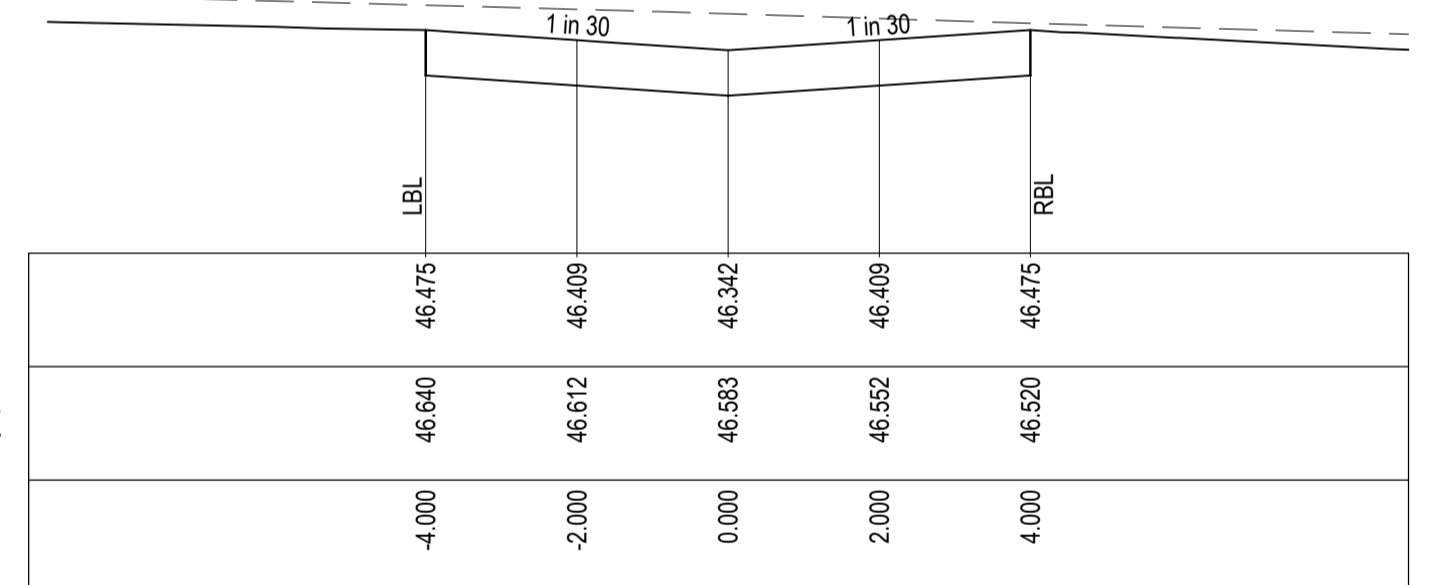
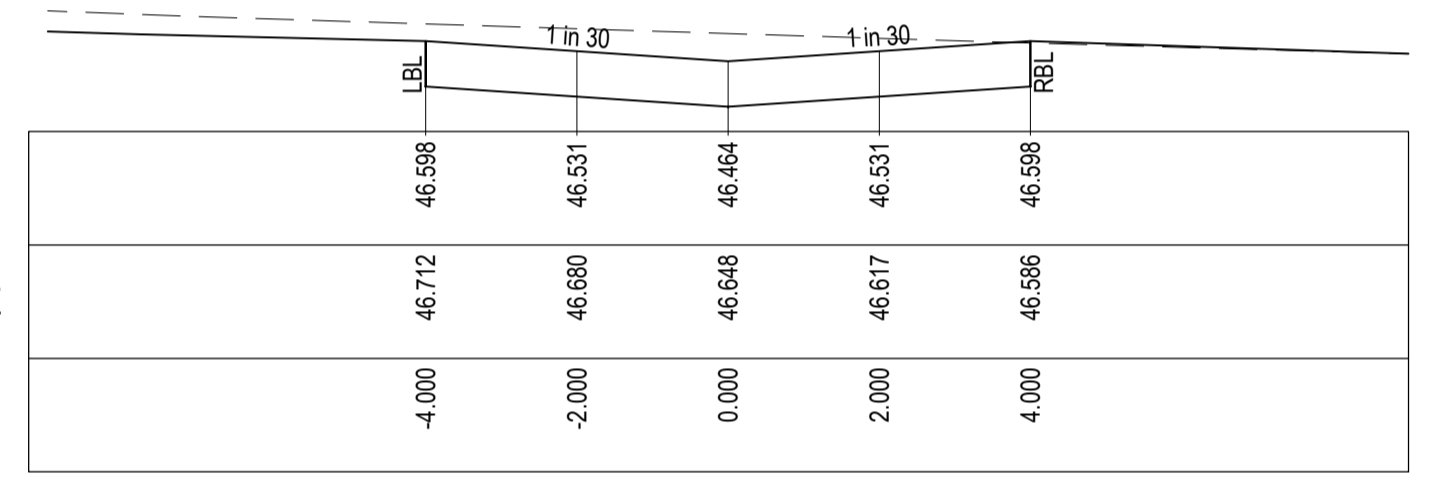
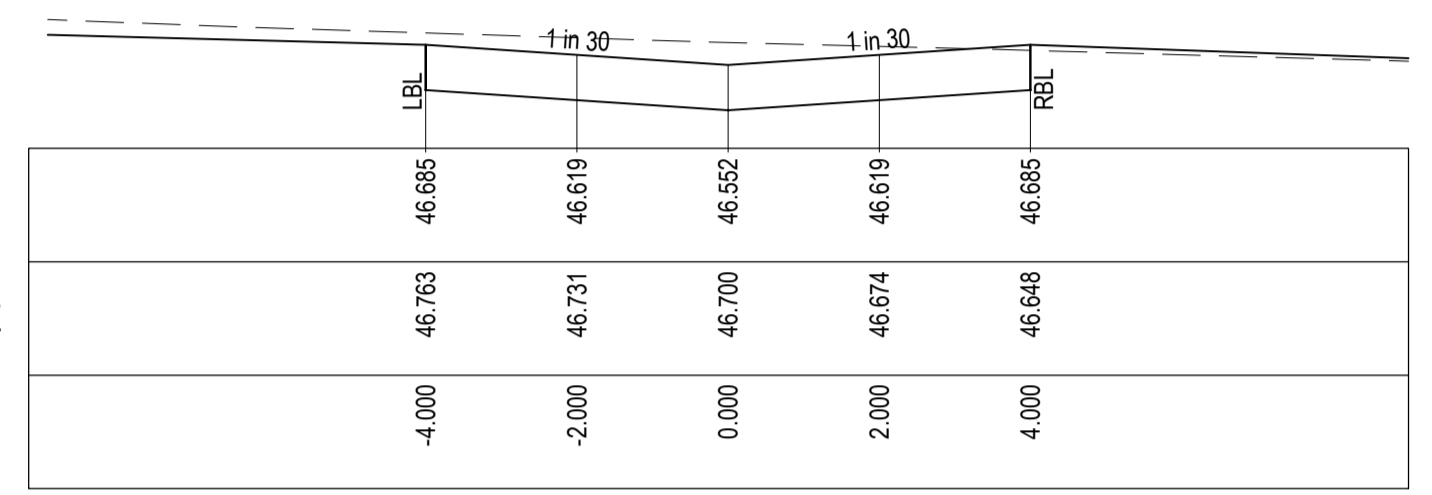
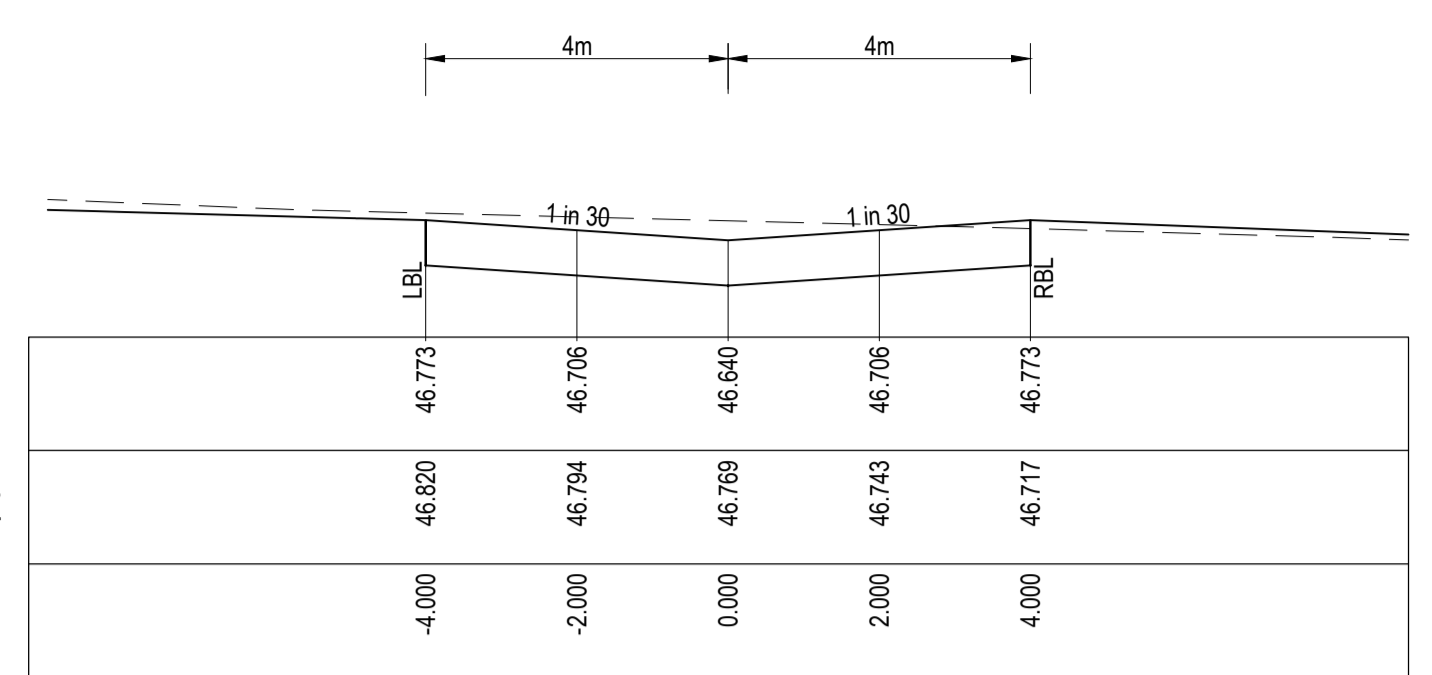
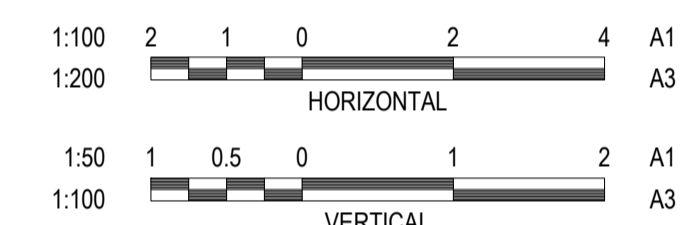
WARNING
BWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE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

NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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 SURFACE
- DESIGN LINE
- Q100 LEVEL
- SELECT FILL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood
 properties
 Communities Designed for Living

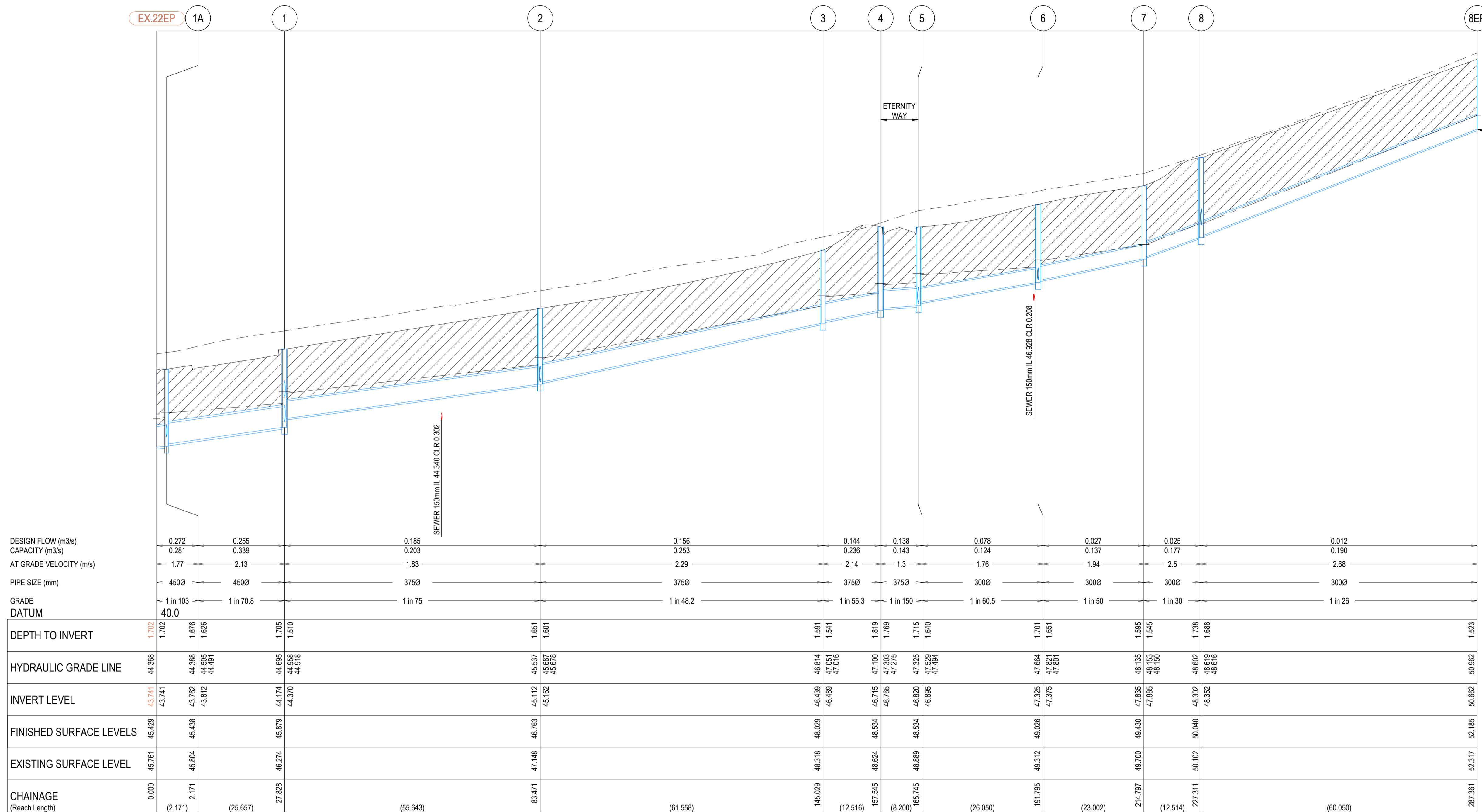
creo
 CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 MT DUNEED

DRAWING TITLE
**ARMSTRONG - STAGE 67
 ROAD CROSS SECTIONS - 9
 VIGOR LANE**

STATUS
**ISSUED FOR
 CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R508	2



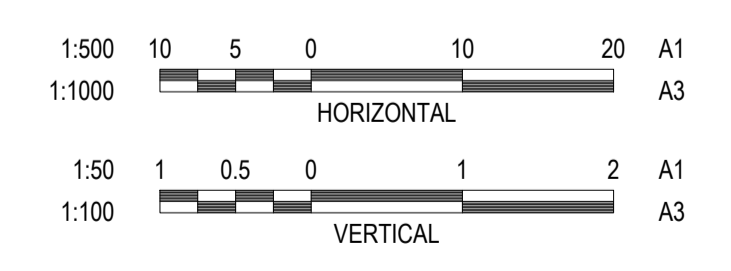
ENDPIPE FOR FUTURE CONNECTION. ENDPIPE TO BE CAPPED PRIOR TO BACKFILLING

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

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



LEGEND

	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL

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
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties

Communities Designed for Living

creo CONSULTANTS

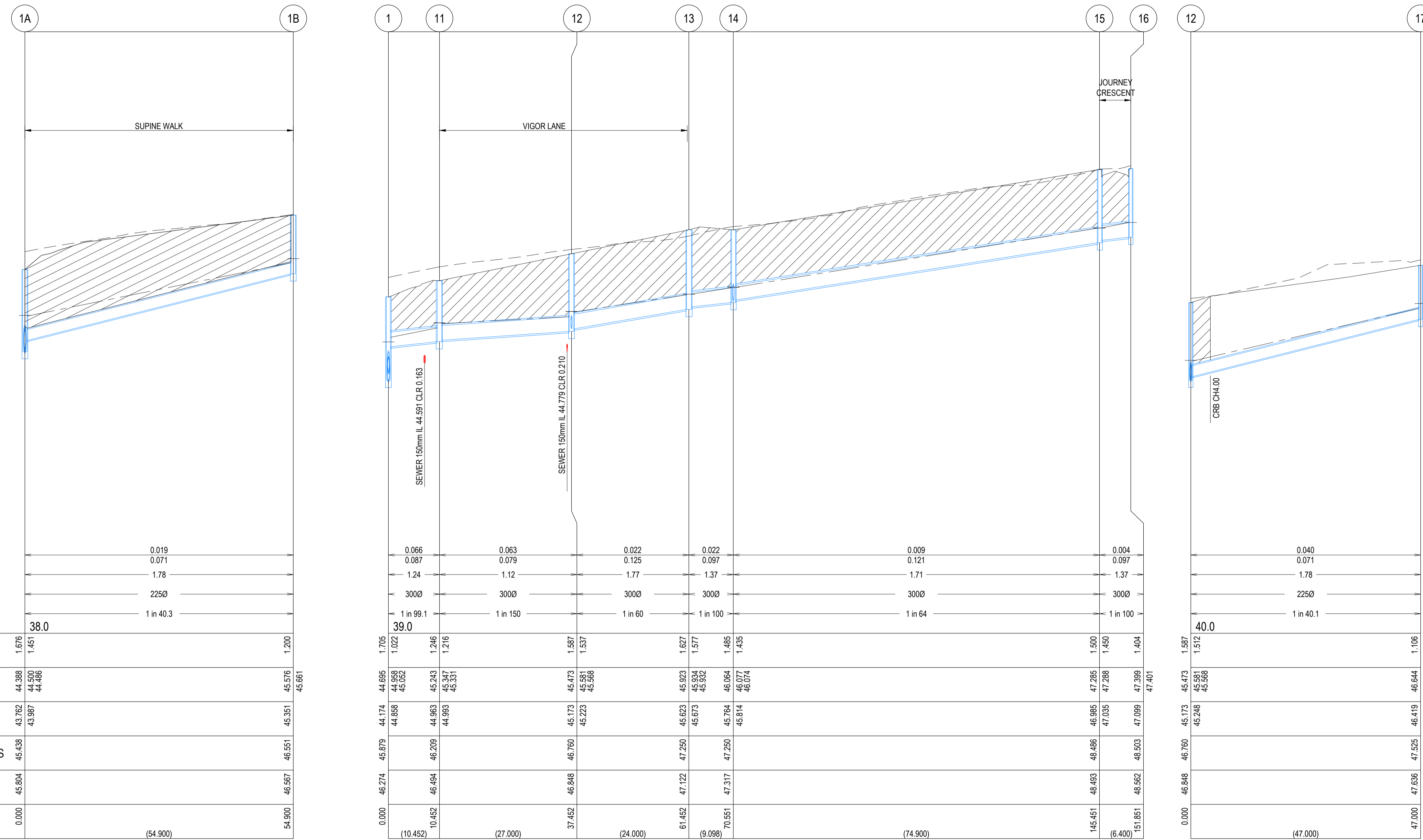
Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

ARMSTRONG
AT DUNDEE

ARMSTRONG - STAGE 67
DRAINAGE LONG SECTIONS - 1

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R600	1

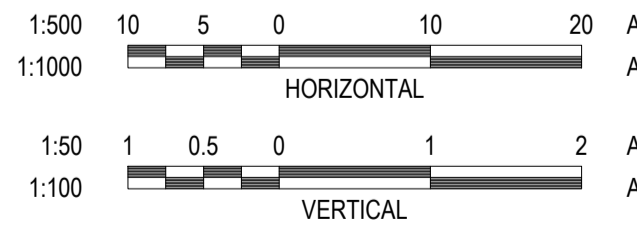


NOTES

- 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

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



LEGEND

	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL

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

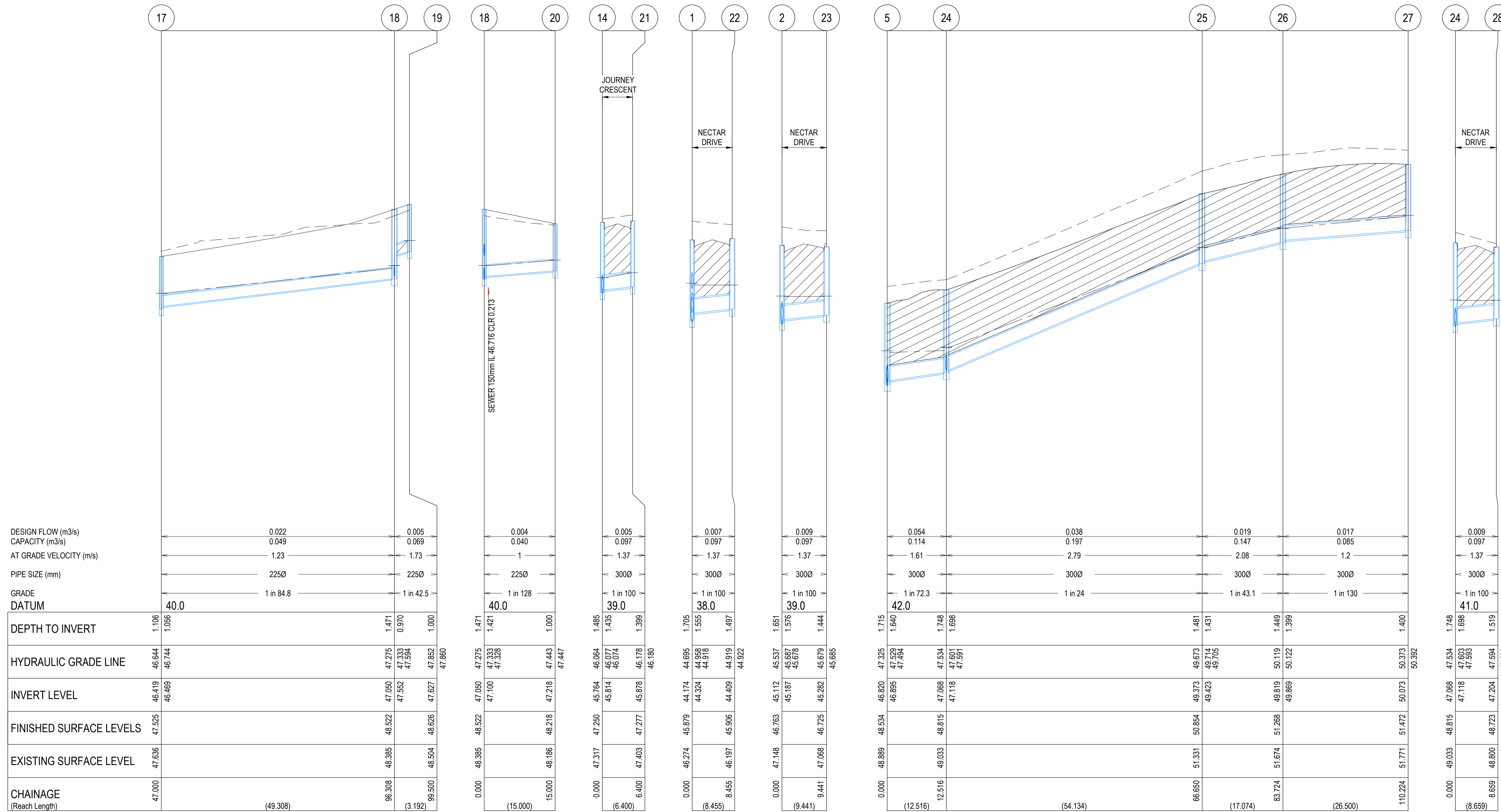
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



ARMSTRONG - STAGE 67
DRAINAGE LONG SECTIONS - 2

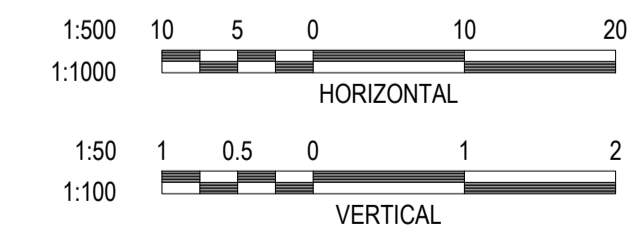
ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R601	1



- 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% STABILIZED 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.

REINFORCED CONCRETE PIPES
 ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



LEGEND

	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL

WARNING
BWARE 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
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

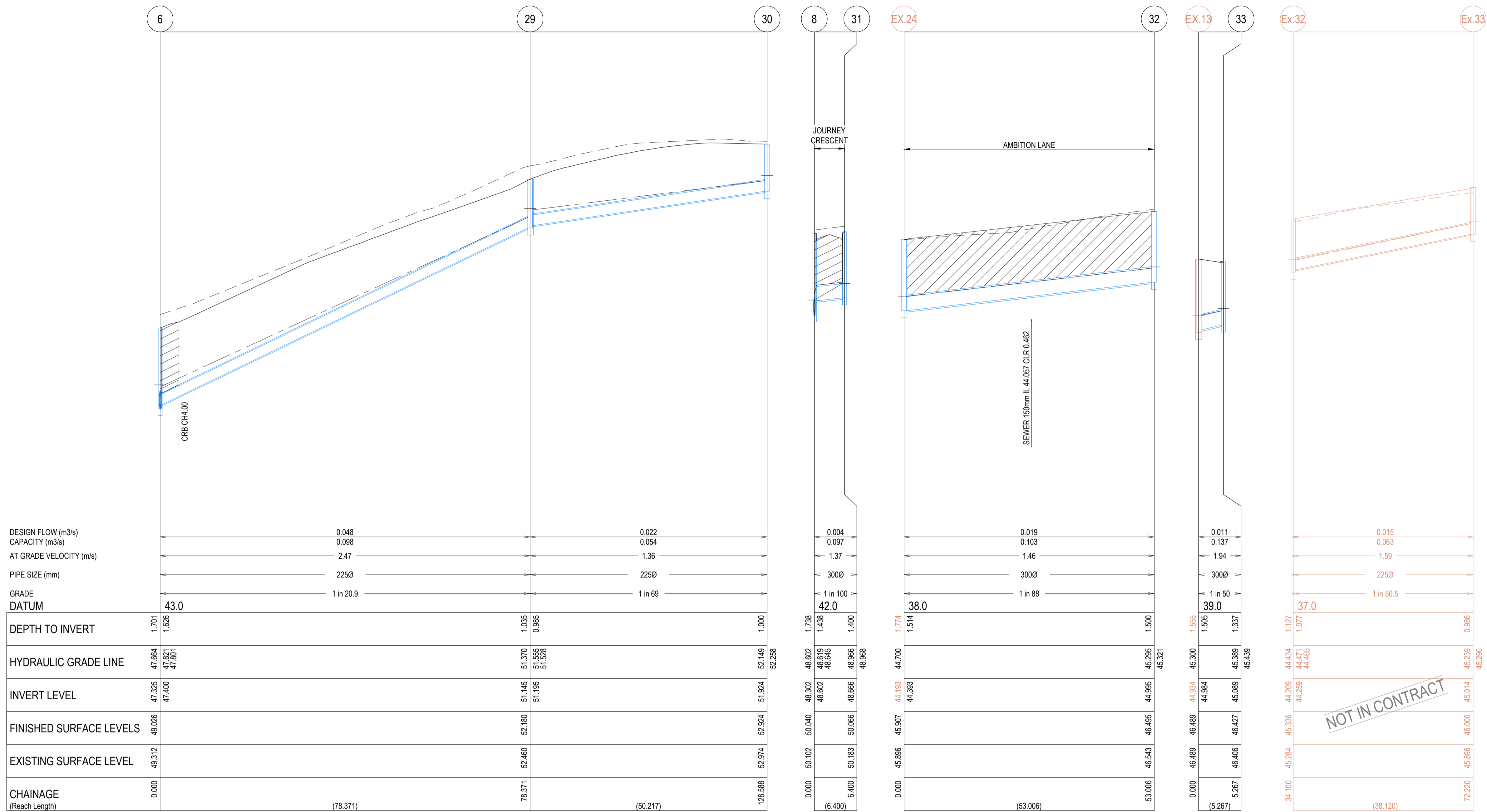


ARMSTRONG - STAGE 67
DRAINAGE LONG SECTIONS - 3

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R602	1

P:\2018\180016 - VILLAWOOD PARKWAY STAGE 67\1762 - DRAINAGE CAD\180016\67 - R602 - DRAINAGE LONG SECTIONS.DWG

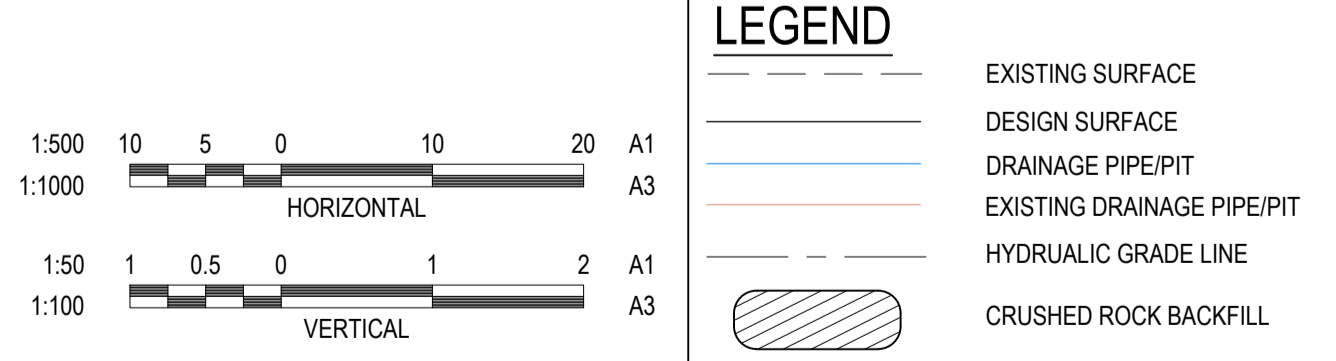


NOTES

- 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

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



WARNING

BWARE 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

P:\2018\80016 - VILLAWOOD ARMSTRONG\80016-67\DWG\12 - DRAINING\CAD\80016-67 - R603 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



ARMSTRONG - STAGE 67
DRAINAGE LONG SECTIONS - 4

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R603	1

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.22EP	Ex ENDDPIPE	-	-	450	43.741	Ex.450	Ex.43.741	-	Ex.1.702	-	CONNECT TO EXISTING ENDDPIPE
1A	SIDE ENTRY PIT	600	900	450	43.812	450	43.762	45.438	1.676	SD435	PIT TO BE PROVIDED WITH HEAVY DUTY CLASS D COVER
1	SIDE ENTRY PIT	600	900	375	44.370	450	44.174	45.879	1.705	SD430	
				300	44.858						
				300	44.324						
2	SIDE ENTRY PIT	600	900	375	45.162	375	45.112	46.763	1.651	SD430	
				300	45.187						
3	SIDE ENTRY PIT	600	900	375	46.489	375	46.439	48.029	1.591	SD430	
4	SIDE ENTRY PIT	600	900	375	46.765	375	46.715	48.534	1.819	SD430	
5	SIDE ENTRY PIT	600	900	300	46.895	375	46.820	48.534	1.715	SD430	
				300	46.895						
6	SIDE ENTRY PIT	600	900	300	47.375	300	47.325	49.026	1.701	SD430	
				225	47.400						
7	SIDE ENTRY PIT	600	900	300	47.885	300	47.835	49.430	1.595	SD430	
8	SIDE ENTRY PIT	600	900	300	48.352	300	48.302	50.040	1.738	SD430	
				300	48.602						
8EP	ENDDPIPE	-	-	FUT.300	FUT.50.662	300	50.662	52.185	1.523	-	ENDDPIPE FOR FUTURE CONNECTION. ENDDPIPE TO BE CAPPED PRIOR TO BACKFILLING
1B	JUNCTION PIT	600	900			225	45.351	46.551	1.200	SD420	
11	GRATED PIT	600	900	300	44.993	300	44.963	46.209	1.246	SD420	PIT TO BE PROVIDED WITH HEAVY DUTY, CLASS D, BIKE SAFE, INVERTED GRATED COVER
12	GRATED PIT	600	900	300	45.223	300	45.173	46.760	1.587	SD420	PIT TO BE PROVIDED WITH HEAVY DUTY, CLASS D, BIKE SAFE, INVERTED GRATED COVER
				225	45.248						
13	GRATED PIT	600	900	300	45.673	300	45.623	47.250	1.627	SD420	PIT TO BE PROVIDED WITH HEAVY DUTY, CLASS D, BIKE SAFE, INVERTED GRATED COVER
14	SIDE ENTRY PIT	600	900	300	45.814	300	45.764	47.250	1.485	SD430	
				300	45.814						
15	SIDE ENTRY PIT	600	900	300	47.035	300	46.985	48.486	1.500	SD430	
16	SIDE ENTRY PIT	600	900			300	47.099	48.503	1.404	SD430	
17	JUNCTION PIT	600	900	225	46.469	225	46.419	47.525	1.106	SD425	
18	JUNCTION PIT	600	900	225	47.552	225	47.050	48.522	1.471	SD425	
				225	47.100						
19	JUNCTION PIT	600	900			225	47.627	48.626	1.000	SD425	
20	JUNCTION PIT	600	900			225	47.218	48.218	1.000	SD425	
21	SIDE ENTRY PIT	600	900			300	45.878	47.277	1.399	SD430	
22	SIDE ENTRY PIT	600	900			300	44.409	45.906	1.497	SD430	
23	SIDE ENTRY PIT	600	900			300	45.282	46.725	1.444	SD435	PIT TO BE PROVIDED WITH HEAVY DUTY CLASS D COVER
24	SIDE ENTRY PIT	600	900	300	47.118	300	47.068	48.815	1.748	SD430	
				300	47.118						
25	JUNCTION PIT	600	900	300	49.423	300	49.373	50.854	1.481	SD420	
26	SIDE ENTRY PIT	600	900	300	49.869	300	49.819	51.268	1.449	SD430	
27	SIDE ENTRY PIT	600	900			300	50.073	51.472	1.400	SD430	
28	SIDE ENTRY PIT	600	900			300	47.204	48.723	1.519	SD430	
29	JUNCTION PIT	600	900	225	51.195	225	51.145	52.180	1.035	SD425 & SD460	PROVIDE V-NOTCH IN SIDE OF PIT TO CATER FOR CATCH DRAIN FLOWS
30	JUNCTION PIT	600	900			225	51.924	52.924	1.000	SD425	
31	SIDE ENTRY PIT	600	900			300	48.666	50.066	1.400	SD430	
Ex.24	Ex. GRATED PIT	Ex.600	Ex.900	300	44.393	Ex.300	Ex.44.193	Ex.45.967	Ex.1.774	-	CONNECT TO EXISTING BLOCKOUT
32	GRATED PIT	600	900			300	44.995	46.495	1.500	SD420	PIT TO BE PROVIDED WITH HEAVY DUTY, CLASS D, BIKE SAFE, INVERTED GRATED COVER
Ex.13	Ex. DEPRESSED GRATED PIT	Ex.600	Ex.900	300	44.984	Ex.300	Ex.44.934	Ex.46.489	Ex.1.555	-	BREAK INTO EXISTING PIT AND CONNECT. MAKE GOOD CONNECTION.
33	SPOON PIT WITH GRATING	450	450			300	45.089	46.427	1.337	SD495	

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 C FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

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
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

CLIENT



Communities Designed for Living

PROJECT



Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

DRAWING TITLE

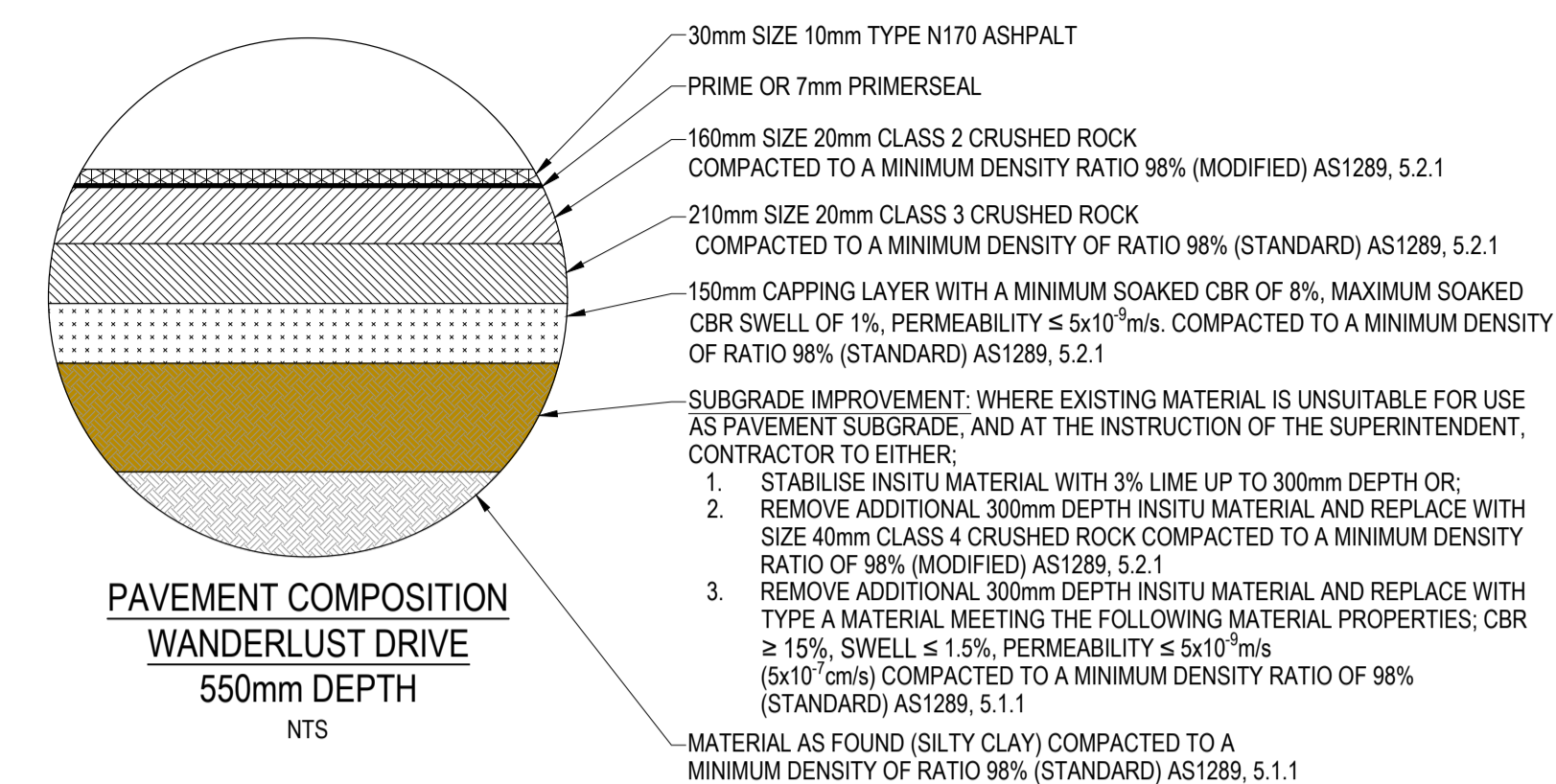
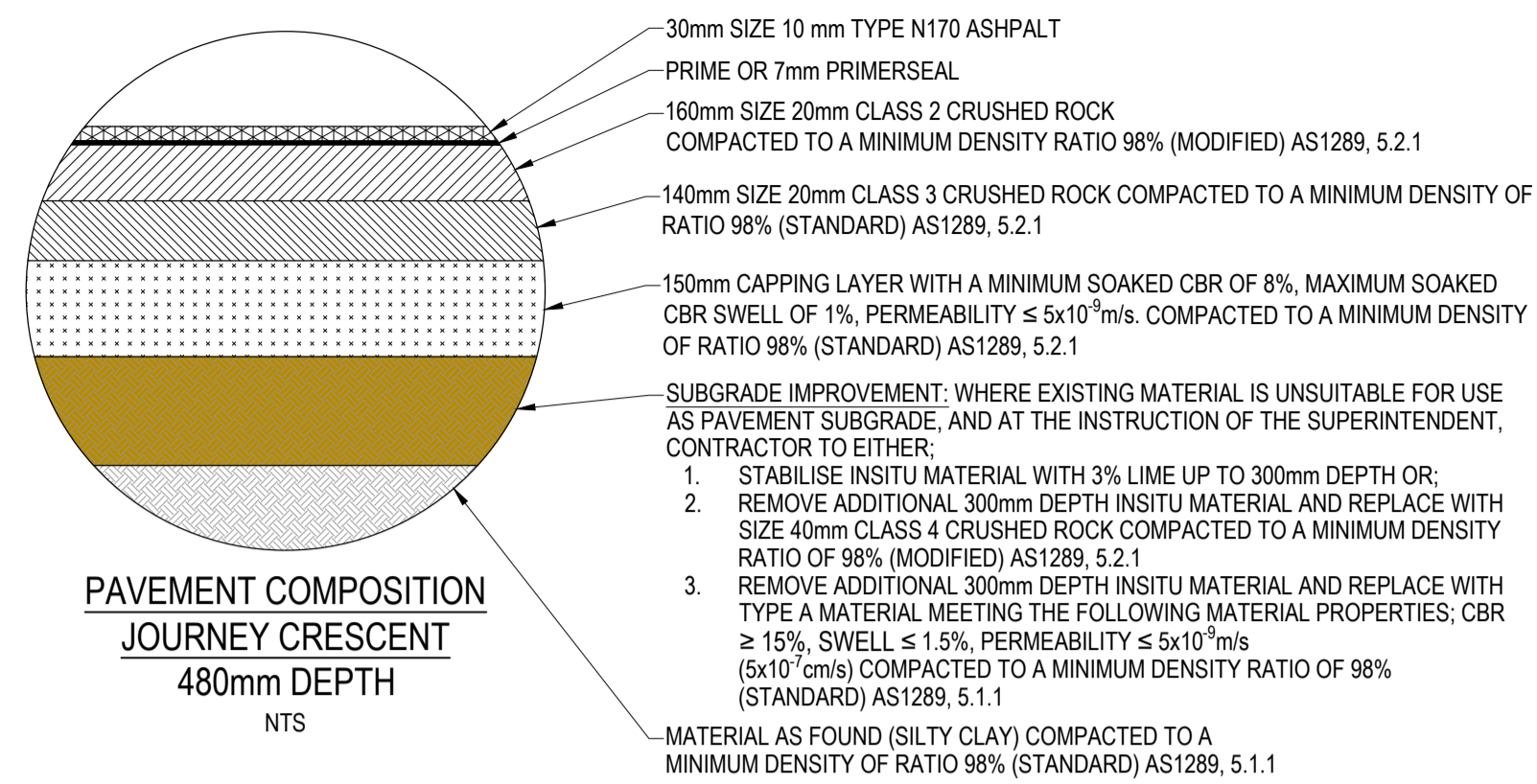
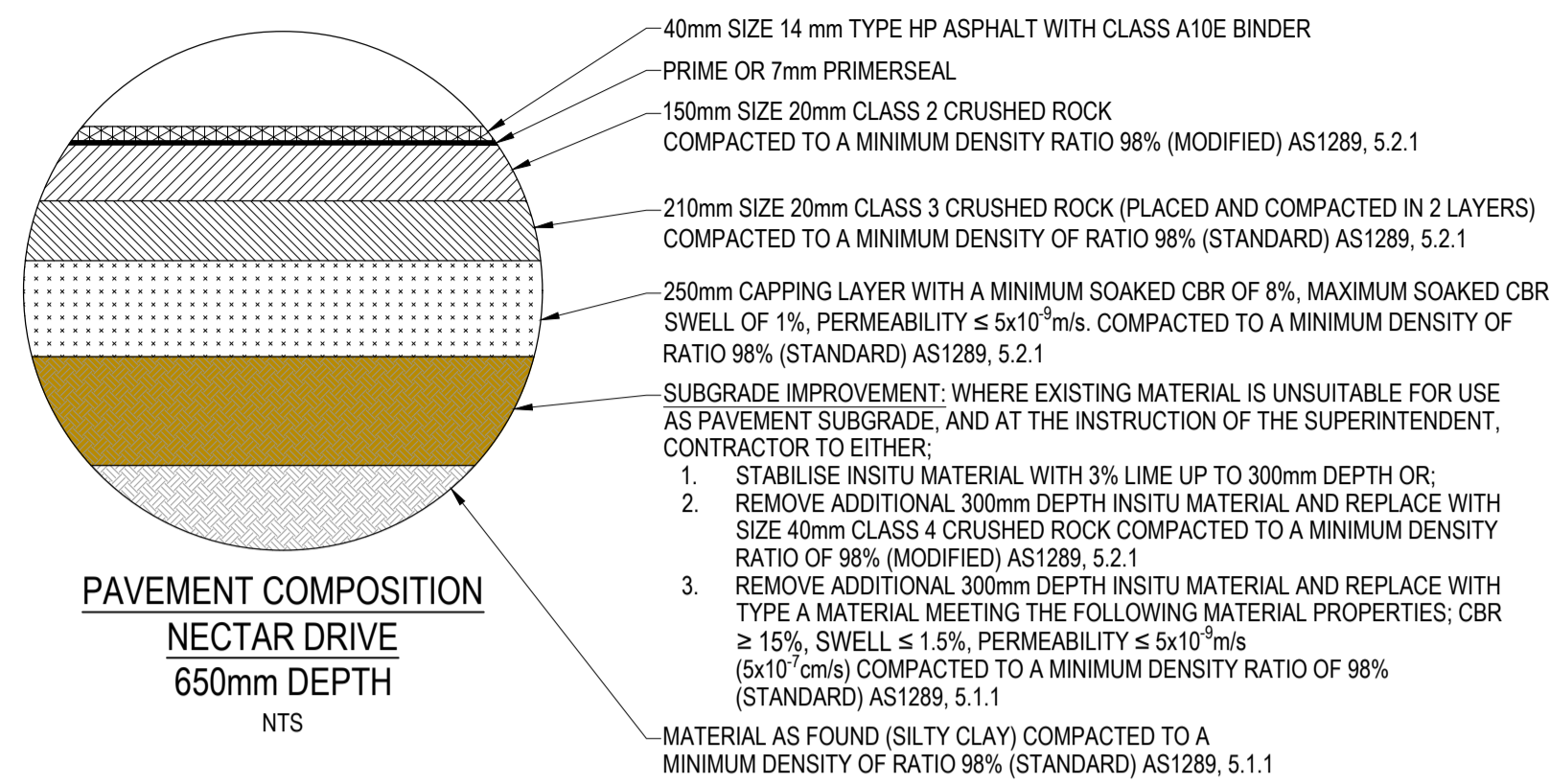


ARMSTRONG - STAGE 67
PIT SCHEDULE

STATUS

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R604	1



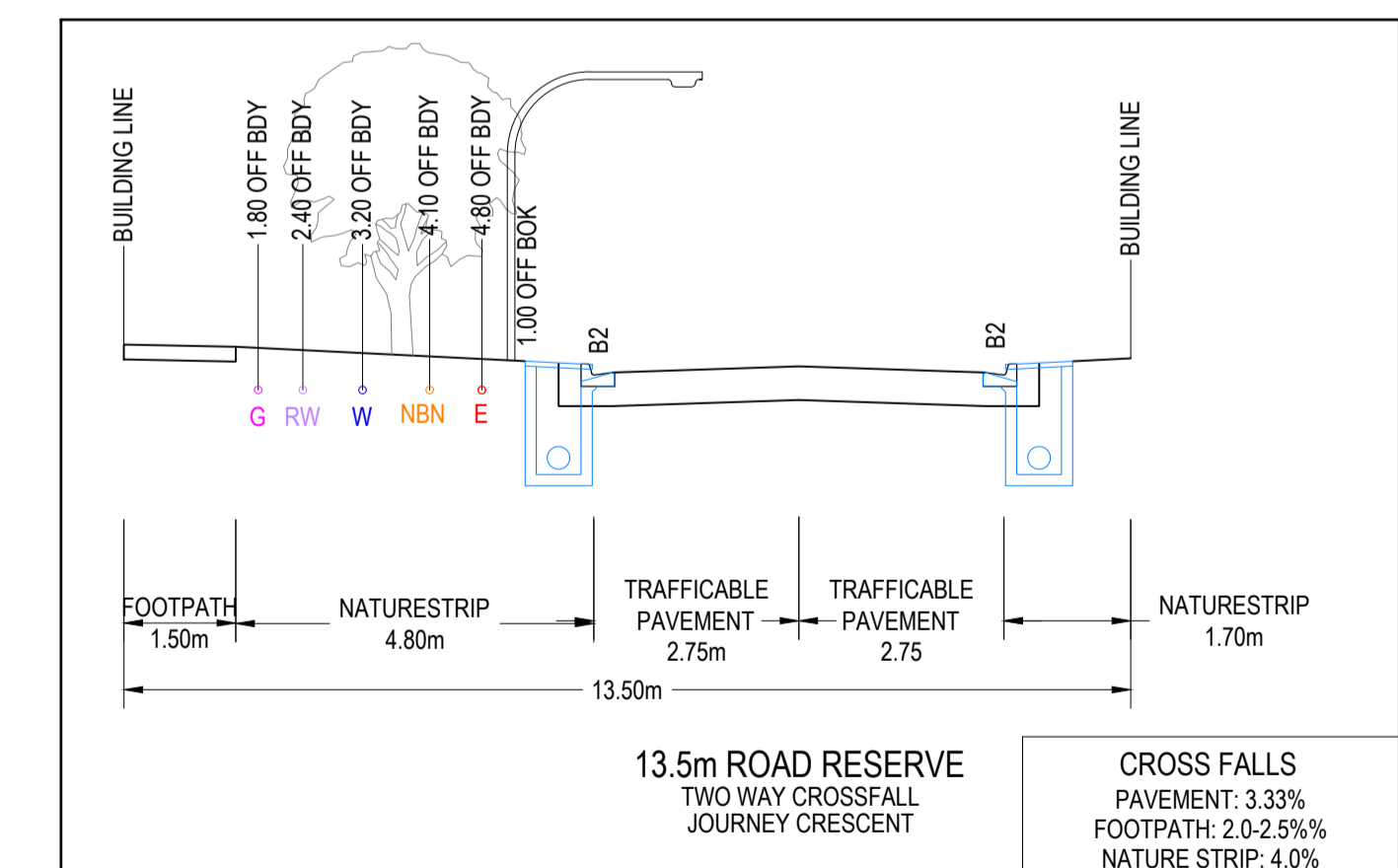
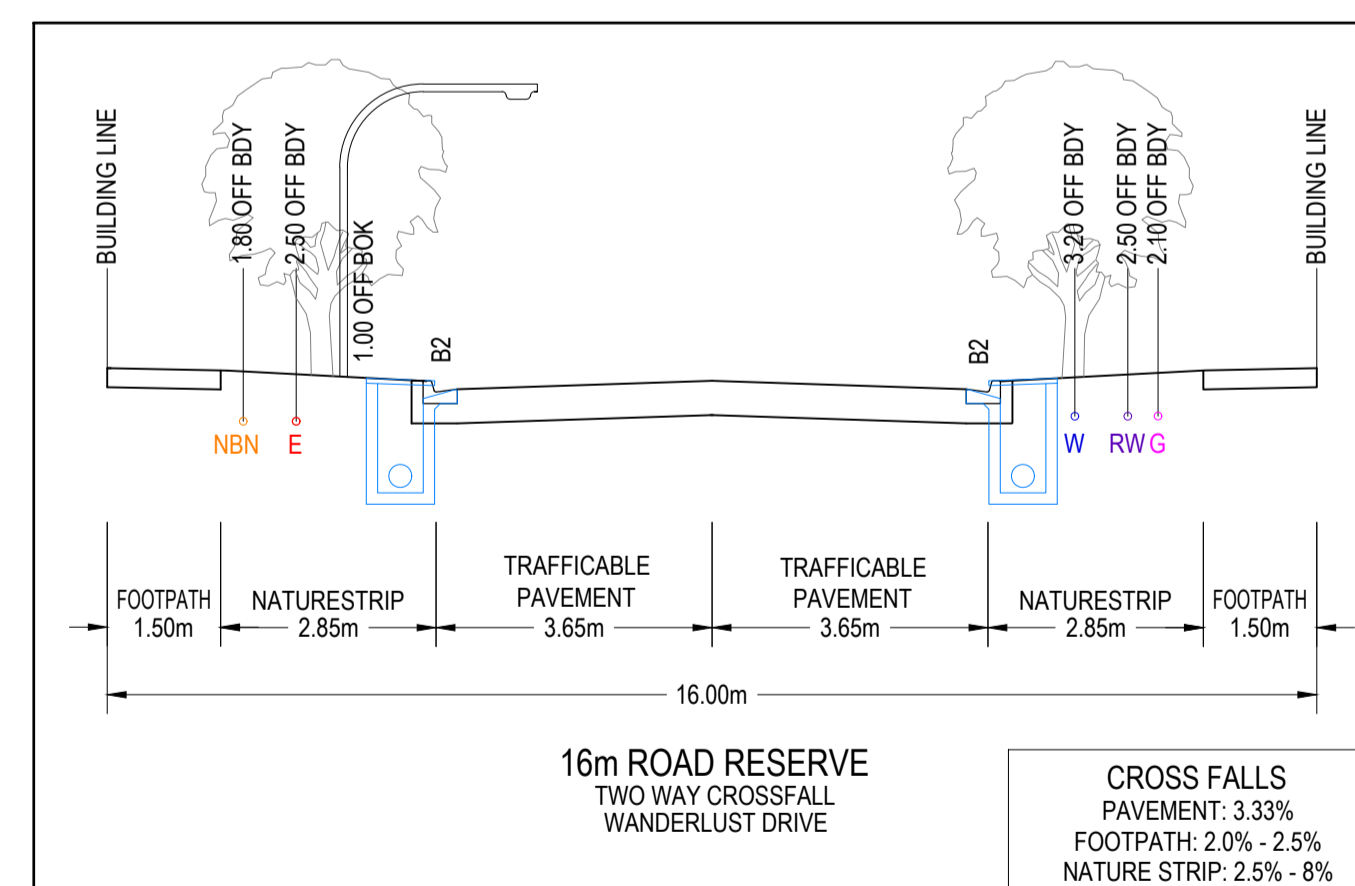
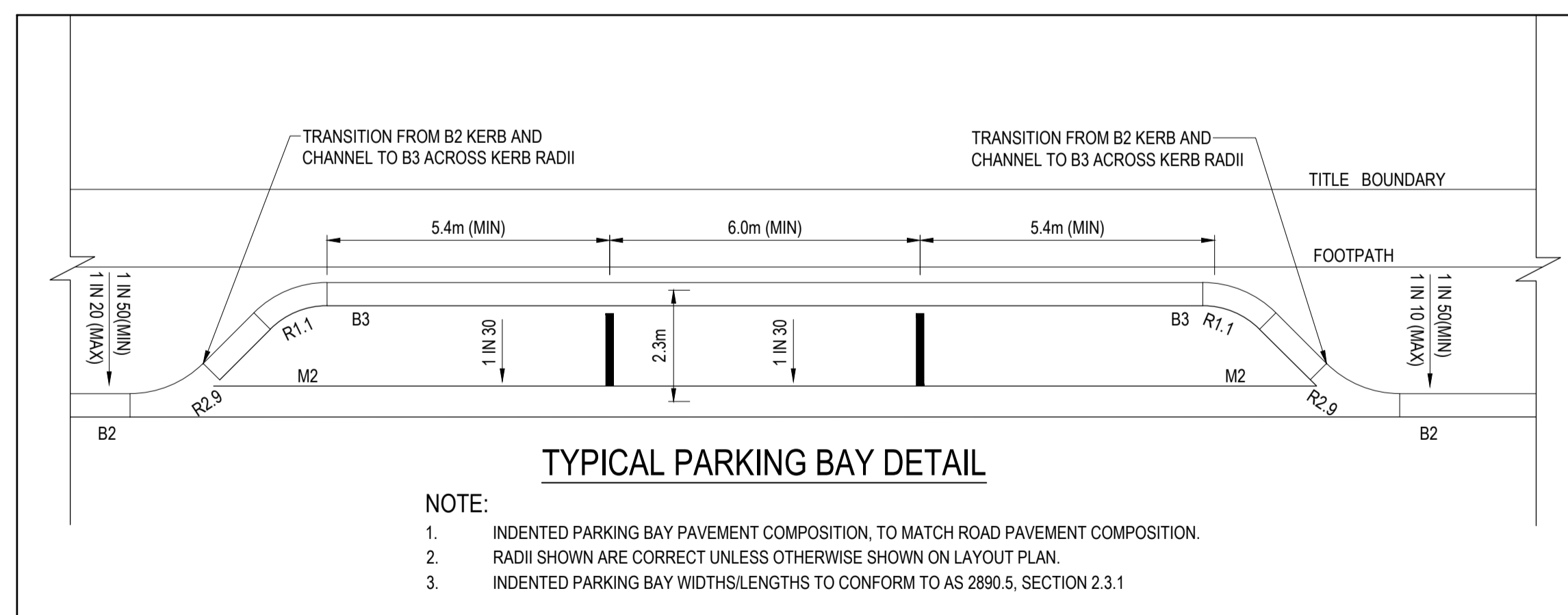
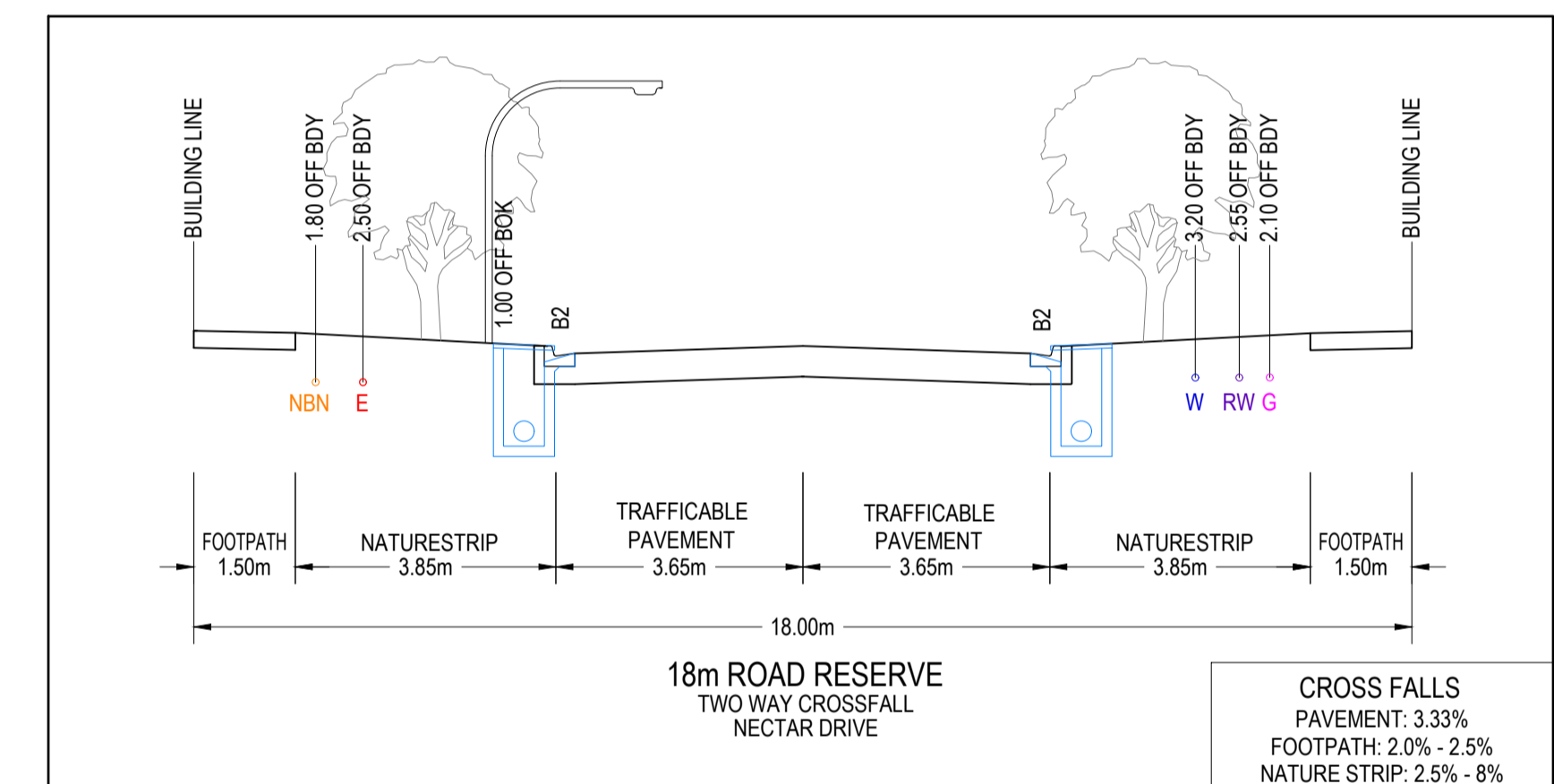
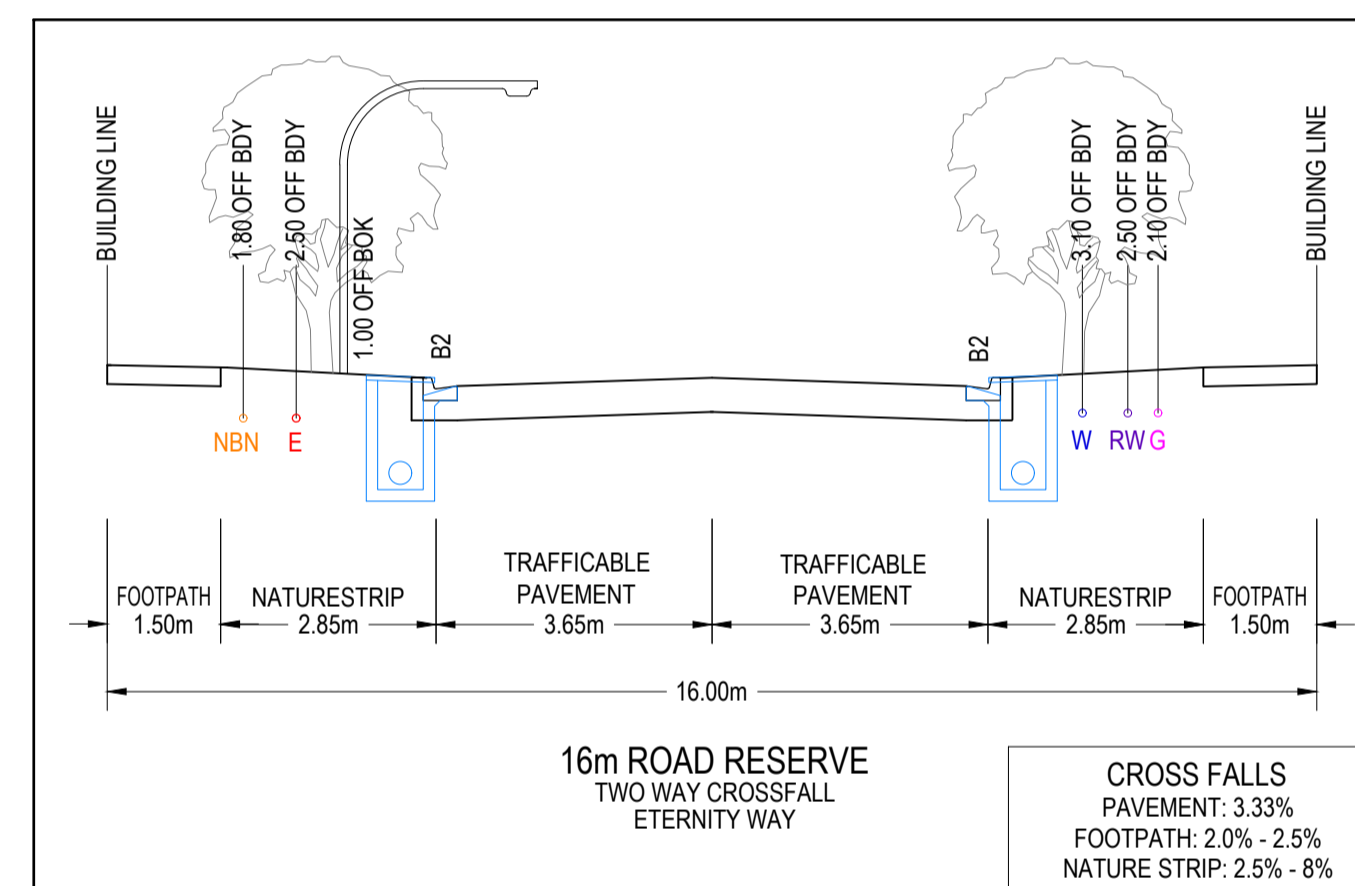
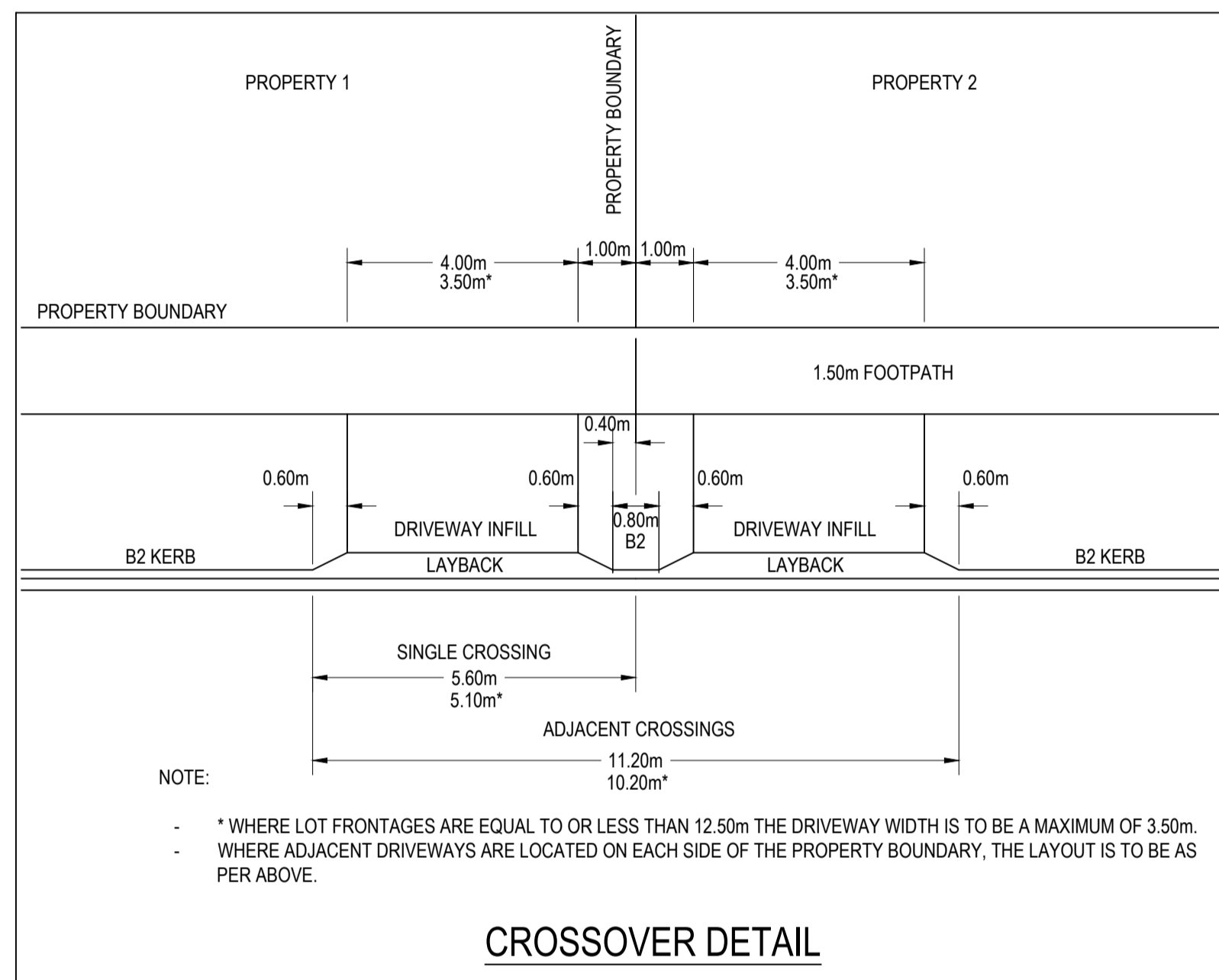
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
DIAL 1100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

NOTE:
 DETAIL PROVIDED IN ACCORDANCE WITH GEOTECHNICAL REPORT PREPARED BY DOUGLAS PARTNERS DATED MARCH 2020

NOTE:
 HD POLYETHYLENE SHEETS FOR SUBSOIL DRAINS TO BE IN ACCORDANCE WITH IDM SD145

NON-STANDARD VEHICLE CROSSING WIDTH AND OFFSET TABLE

LOT NUMBER	VEHICLE CROSSING WIDTH (m)	VEHICLE CROSSING OFFSET (m)	VEHICLE CROSSING LOCATION
6758	4.80	0.60	WEST BL
6760	4.80	0.60	EAST BL



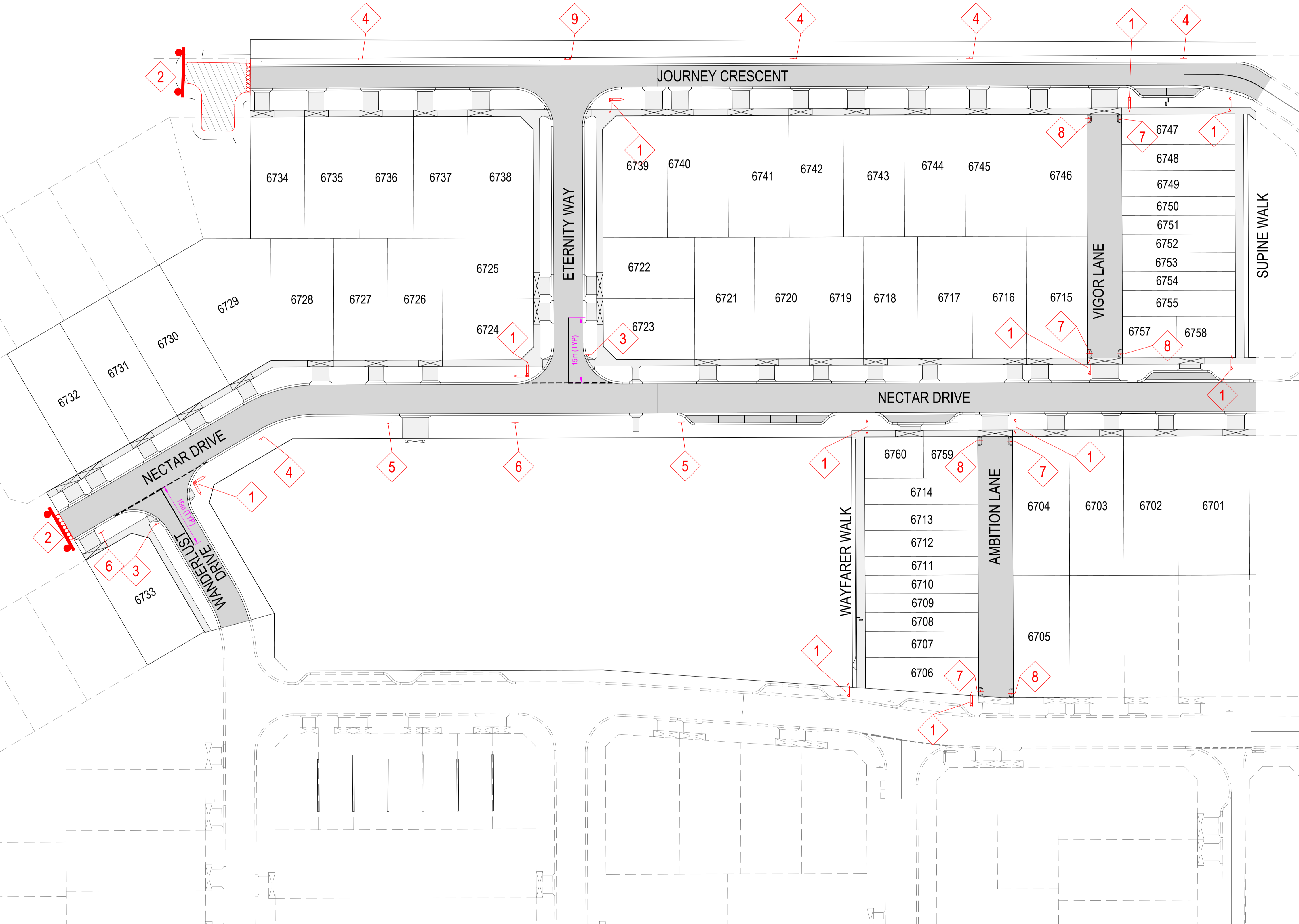
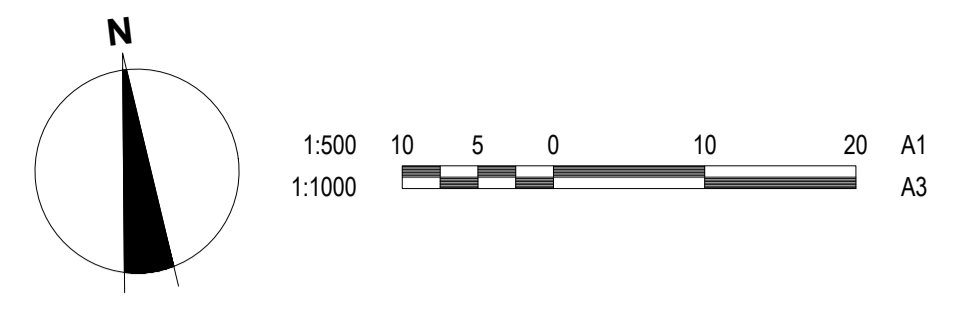
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	13/01/22	ADDED NON-STANDARD VEHICLE CROSSING TABLE	C.R.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



DRAWING TITLE: **ARMSTRONG - STAGE 67 TYPICAL SECTIONS & DETAILS**

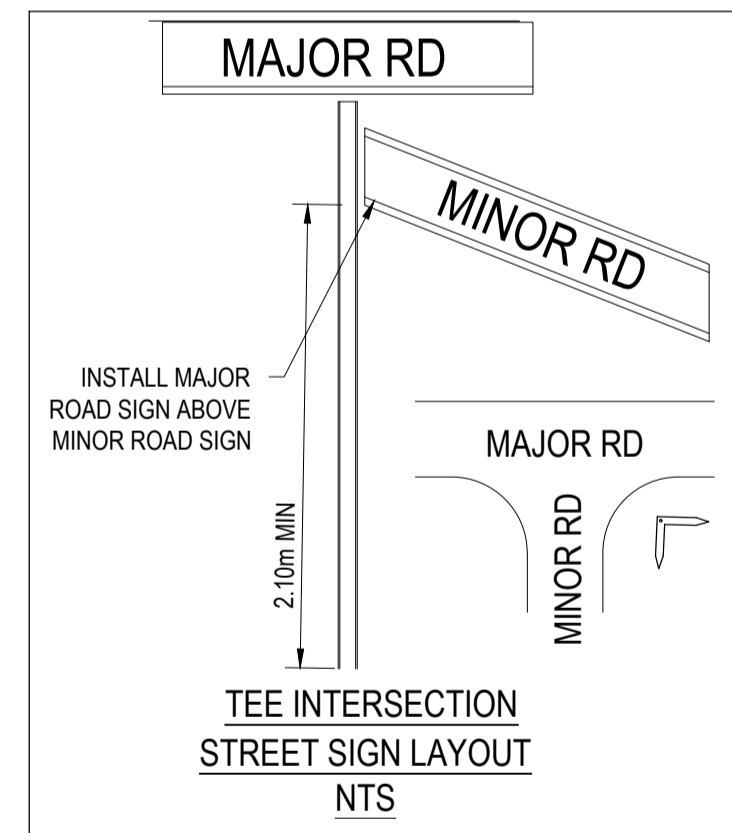
STATUS: **ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R700	1



SIGN SCHEDULE

SIGN	REF	QUANTITY	SIGN	REF	QUANTITY
STREET SIGN (G5 SERIES)	1	REFER BELOW	AREA SIGN (R5-72A)	7	4 No
ROAD CLOSED (T2-4A, D4-5)	2	2 No	END AREA SIGN (R5-73A)	8	4 No
GIVE WAY (R1-2)	3	2 No	NO PARKING (R5-35)	9	1 No
NO PARKING (R5-35)	4	5 No			
NO PARKING (R5-35R)	5	2 No			
NO PARKING (R5-35L)	6	2 No			



STREET SIGN SCHEDULE

JOURNEY CR	1No.
ETERNITY WAY	2No.
VIGOR LA	2No.
SUPINE WALK	2No.
WAYFARER WALK	2No.
AMBITION LA	2No.
NECTAR DR	2No.
WANDERLUST DR	1No.

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 CCG710 - 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
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.



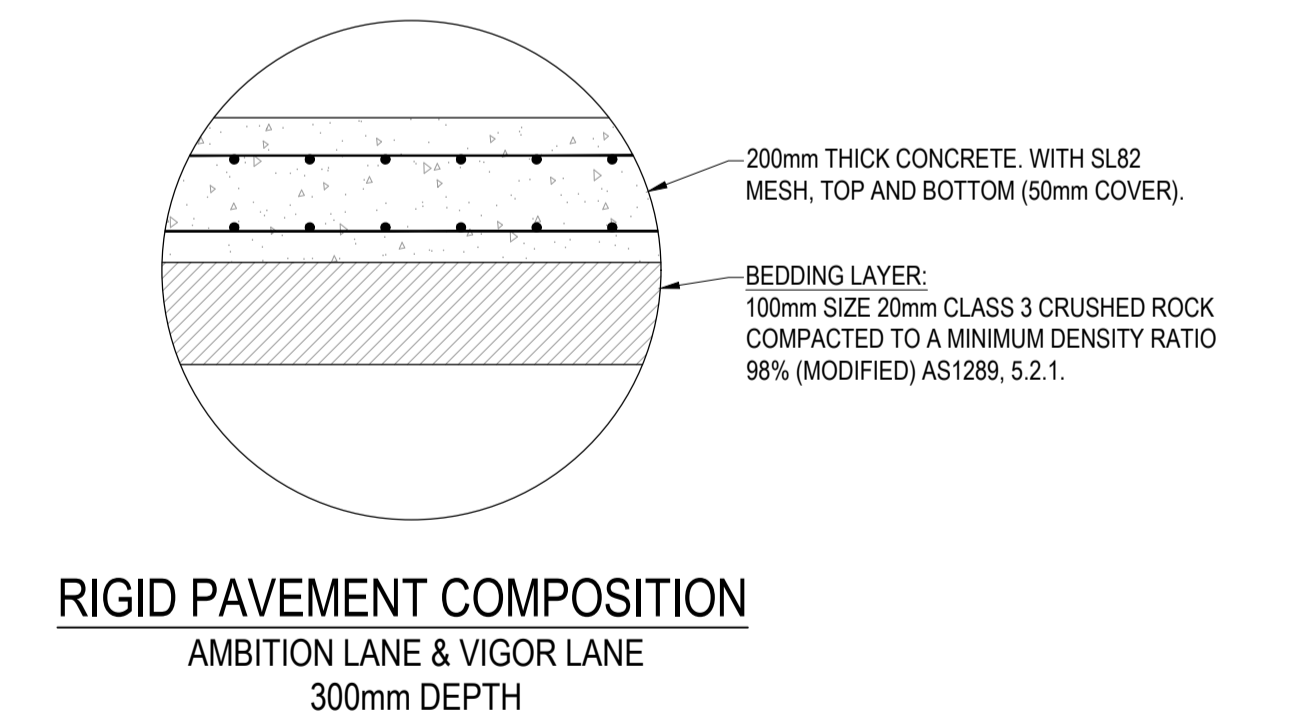
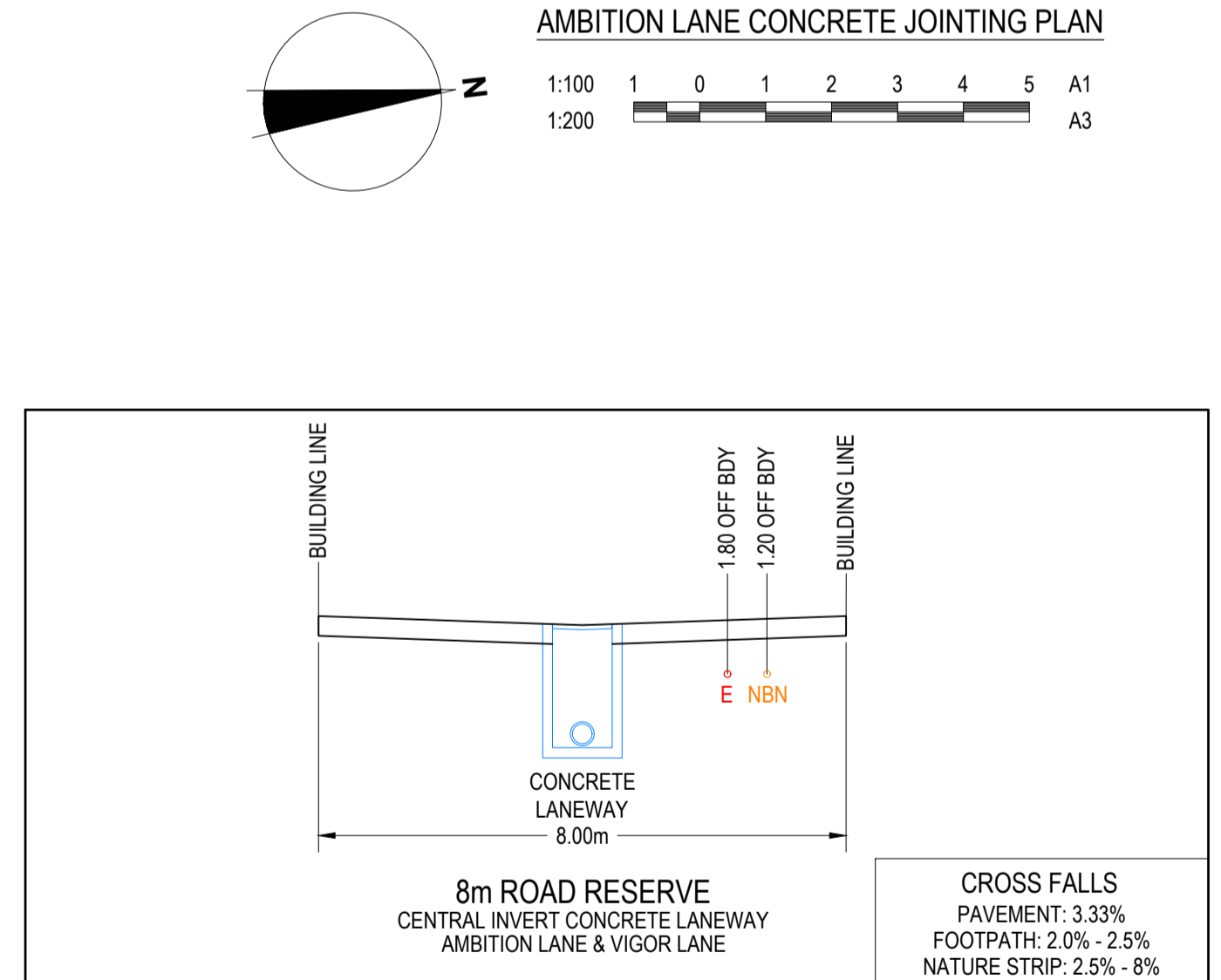
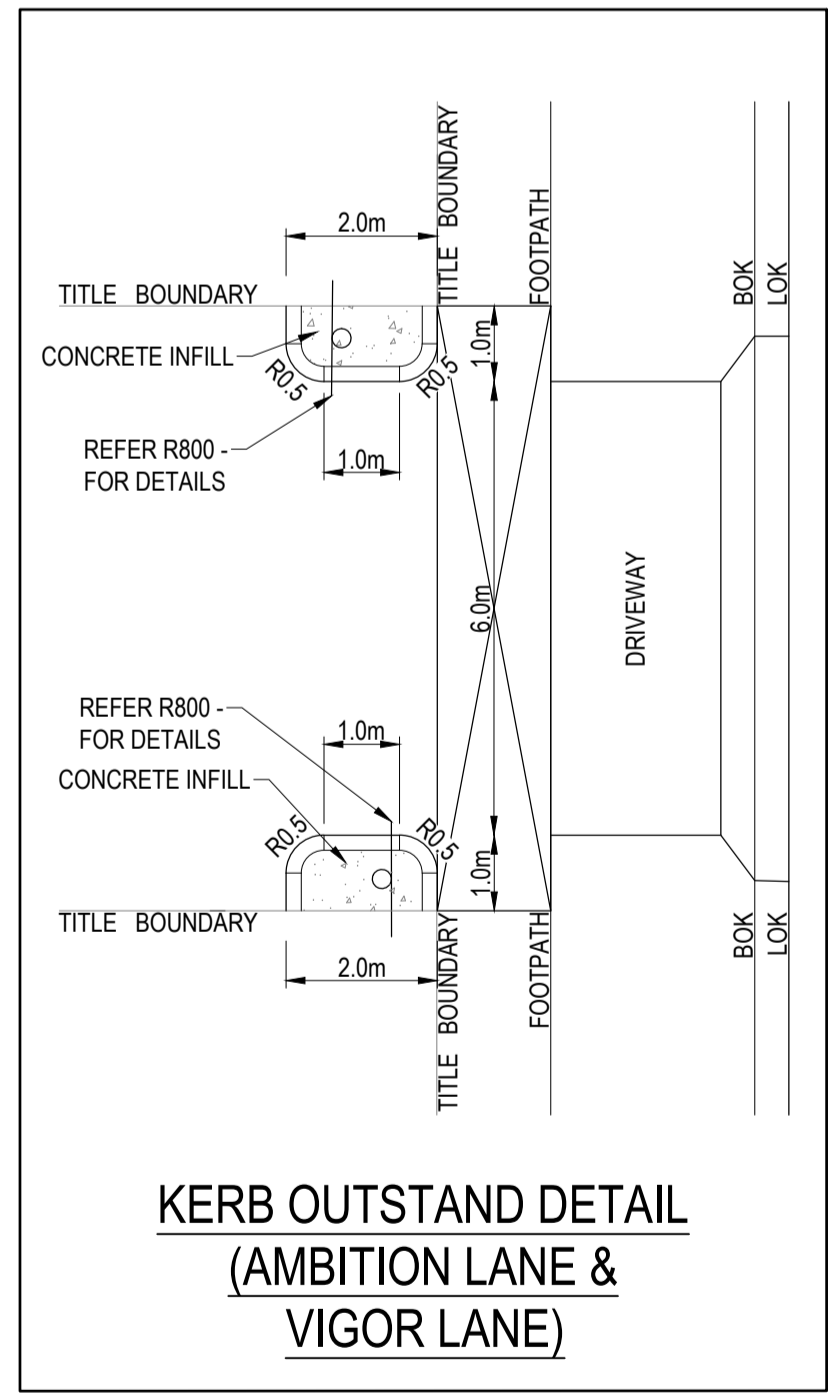
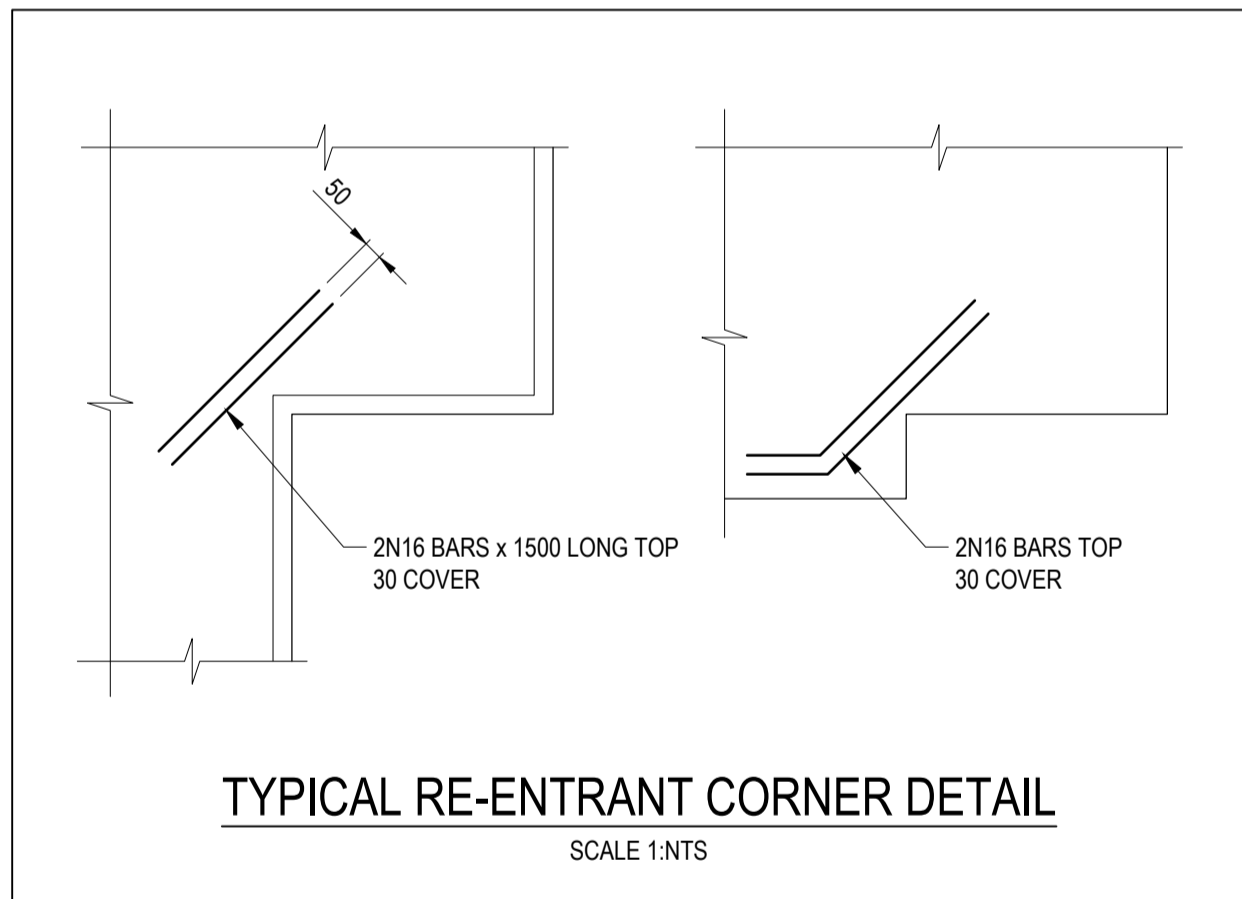
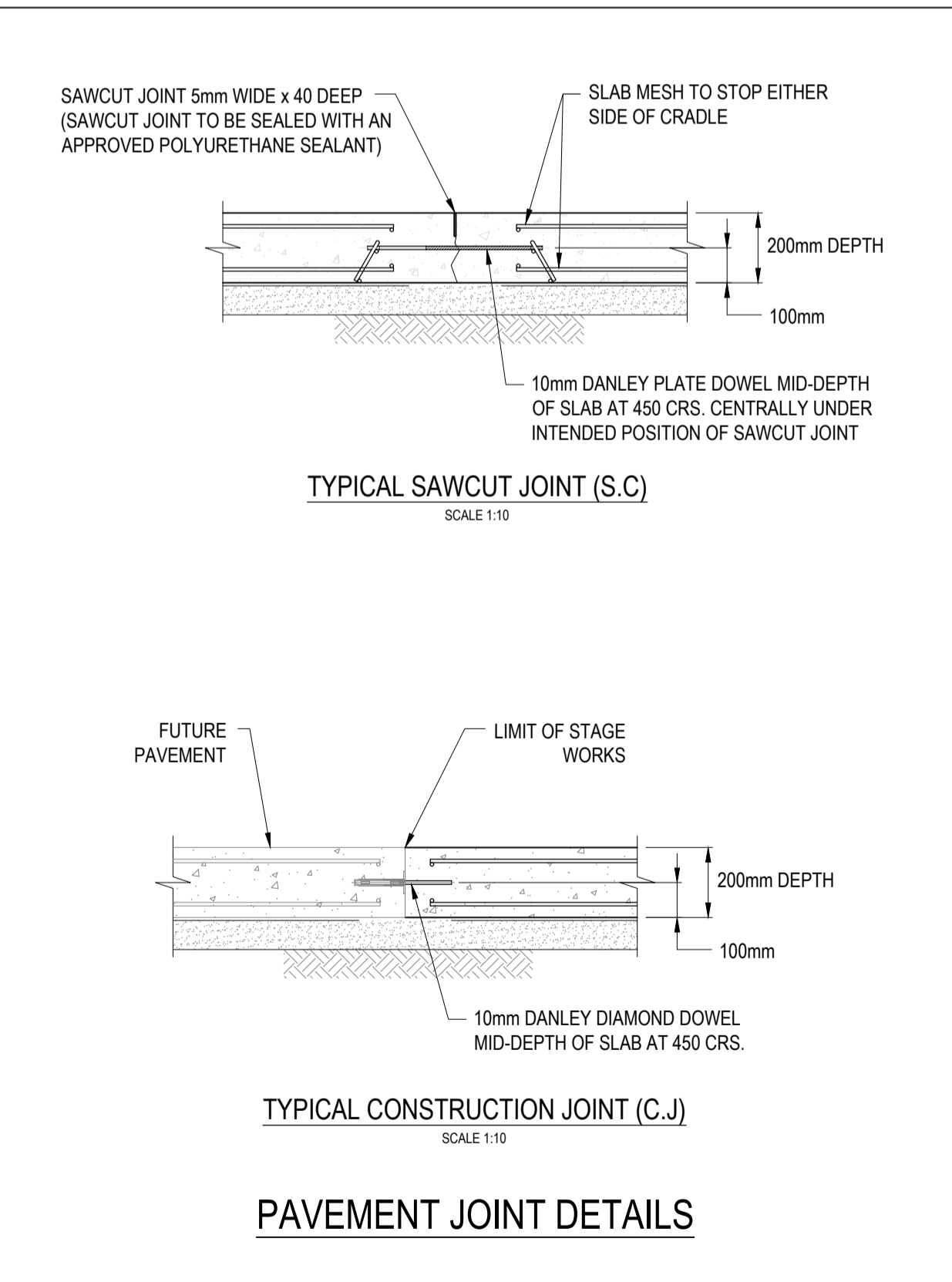
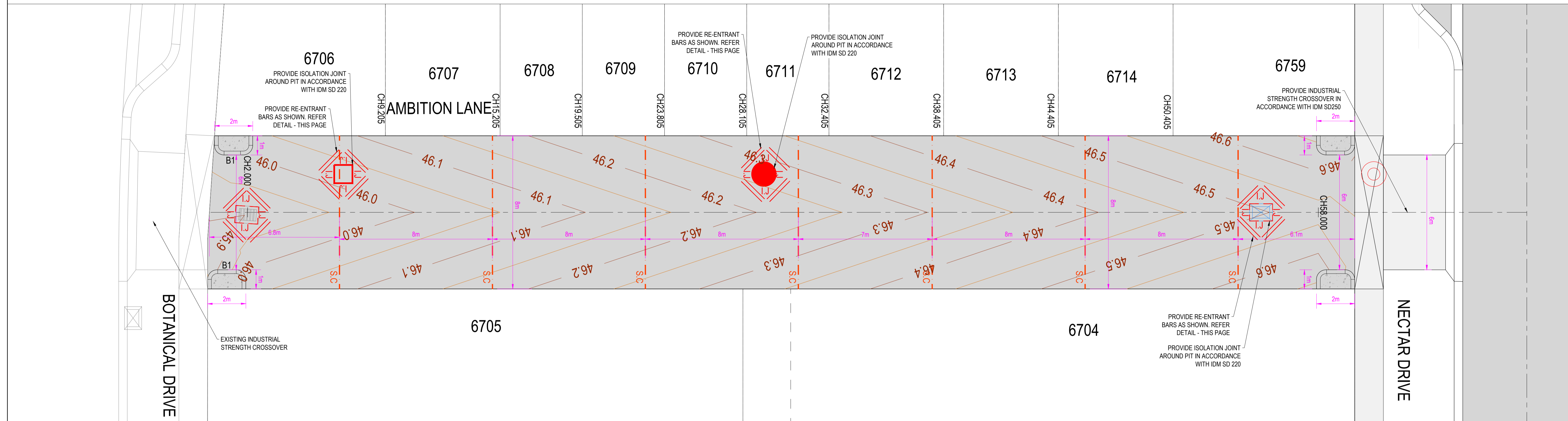
**ARMSTRONG - STAGE 67
SIGNAGE & LINEMARKING PLAN**

**ISSUED FOR
CONSTRUCTION**

SCALE AT A1 1:500 @ A1	DRAWN M.TROUNCE	DESIGNED M.TROUNCE
PROJECT ENGINEER M. TROUNCE	PROJECT MANAGER T. PALIOS	DATE FIRST ISSUE JULY 2021
PROJECT No. 180016.67	DRAWING No. R800	REVISION 1

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

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

DRAWING TITLE

ARMSTRONG - STAGE 67
 CONCRETE JOINTING & DETAIL PLAN -
 AMBITION LANE

STATUS

ISSUED FOR CONSTRUCTION

SCALE AT A1

AS SHOWN

PROJECT ENGINEER: M. TROUNCE

PROJECT MANAGER: T. PALIOS

DESIGNED: M. TROUNCE

DATE FIRST ISSUE: JULY 2021

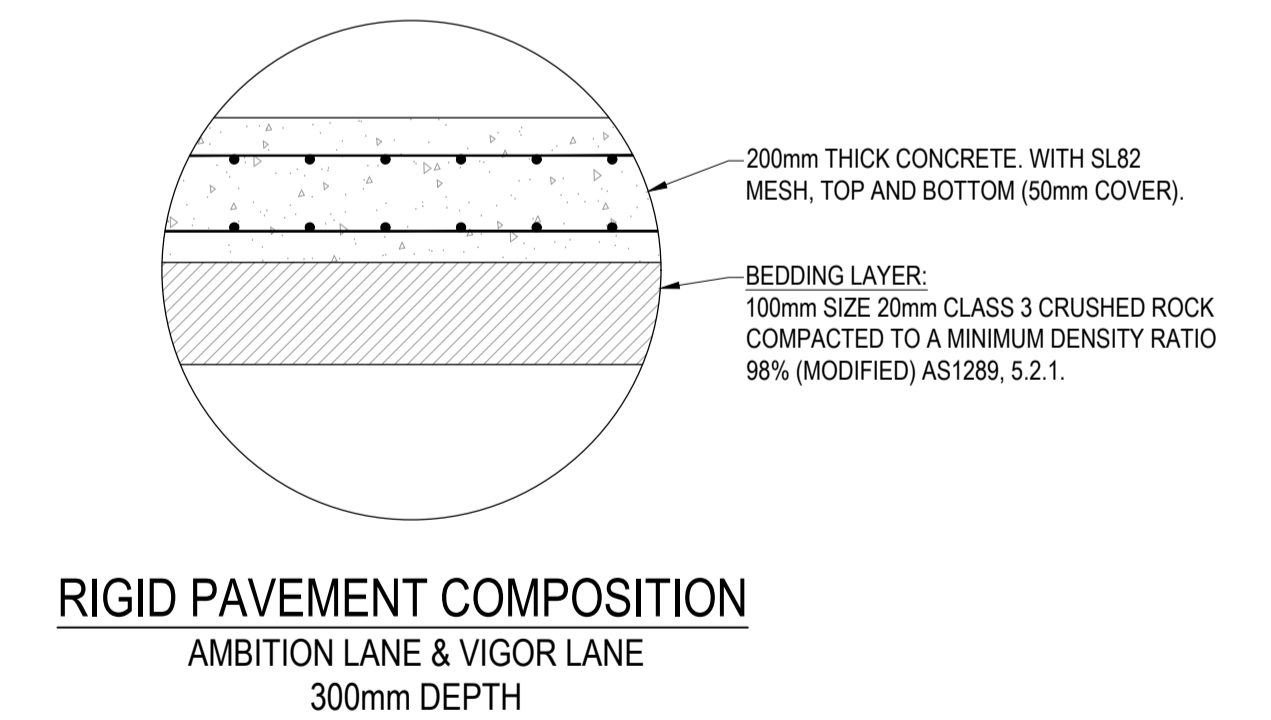
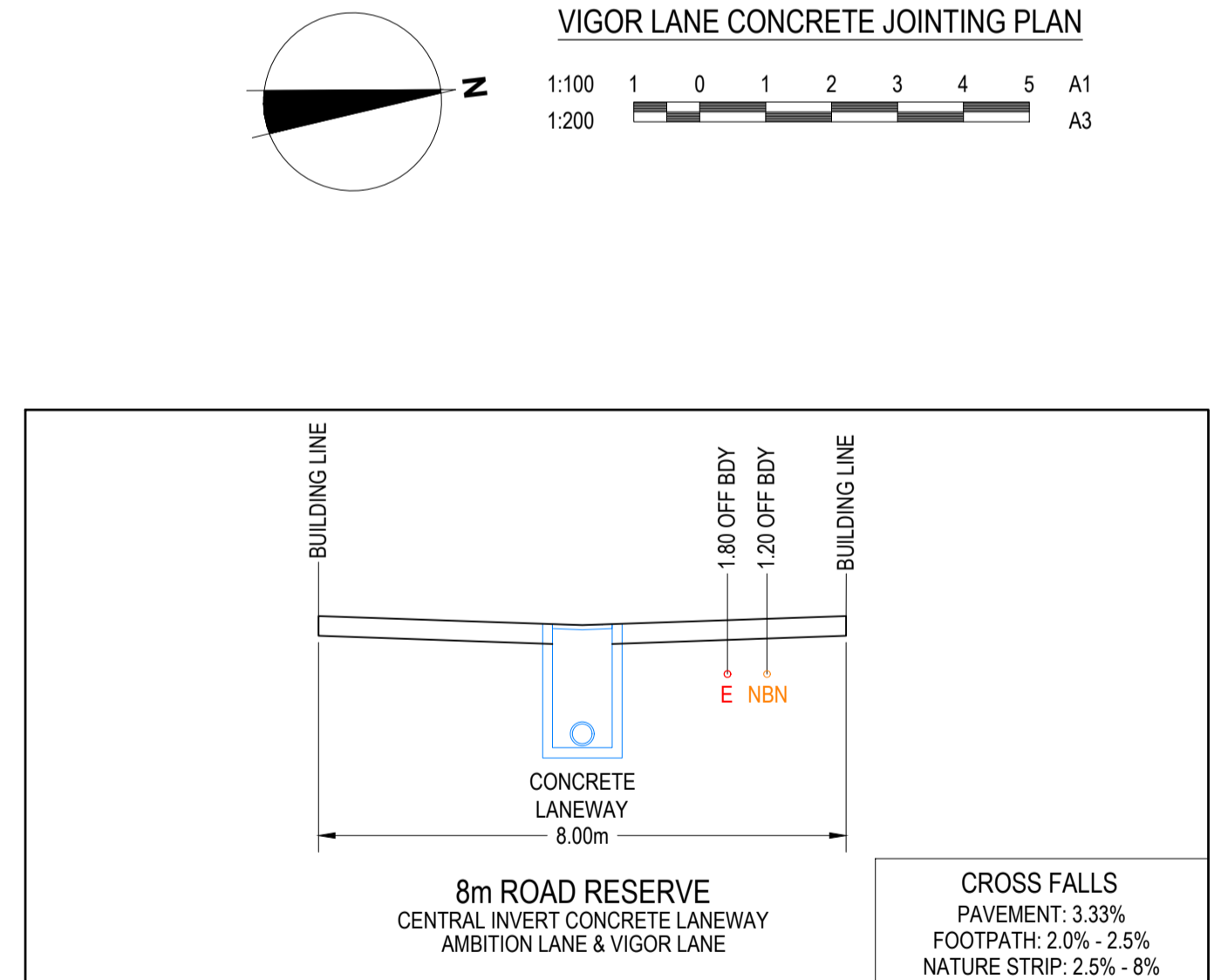
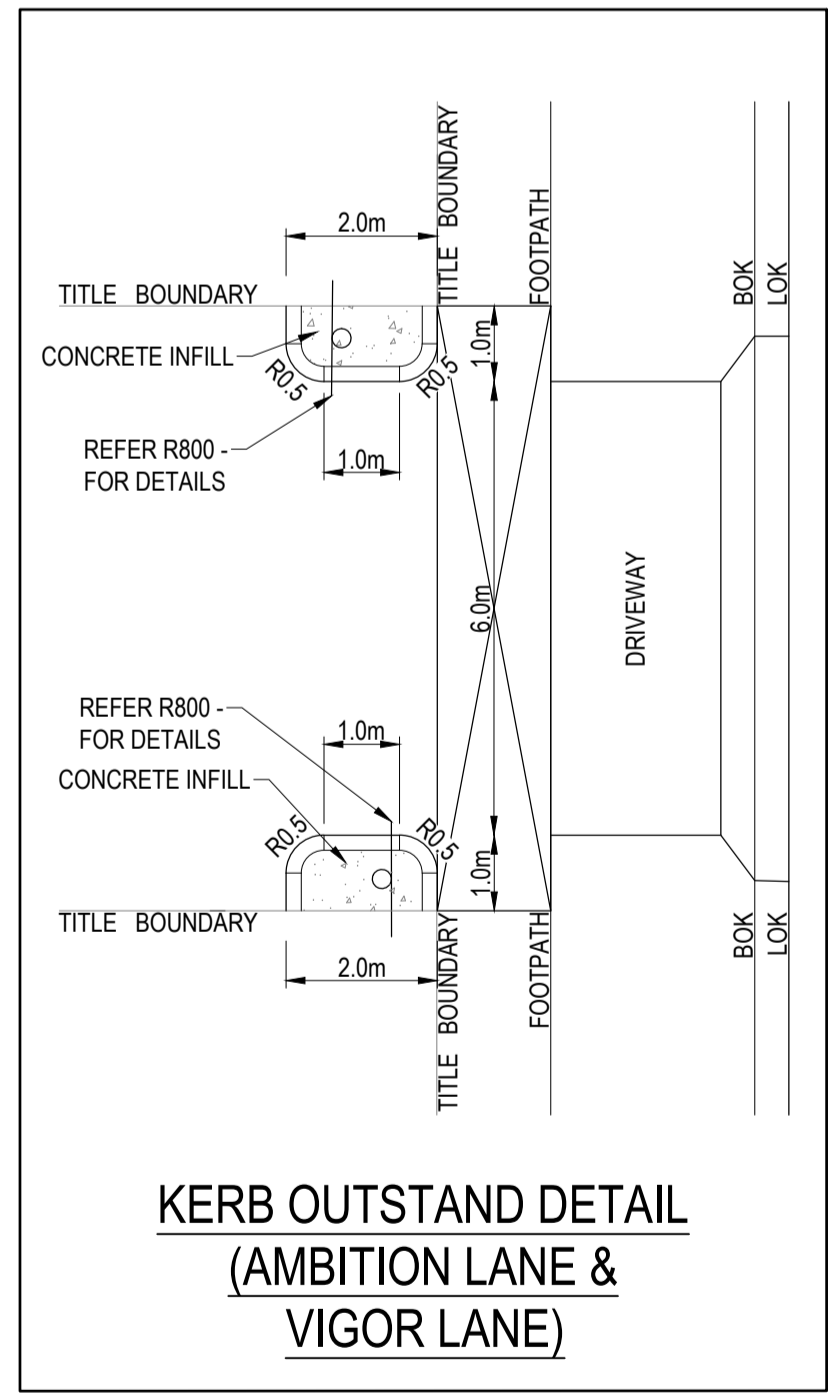
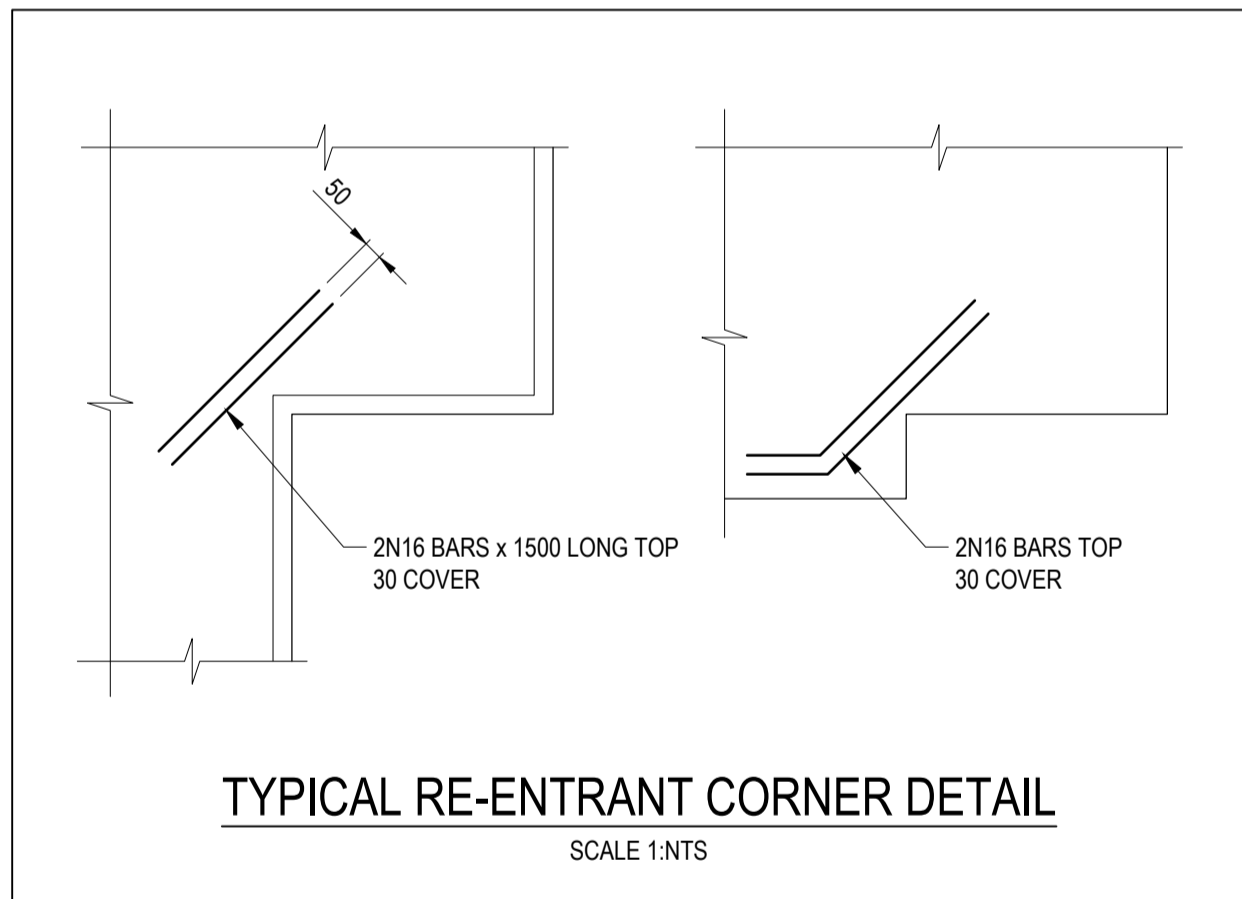
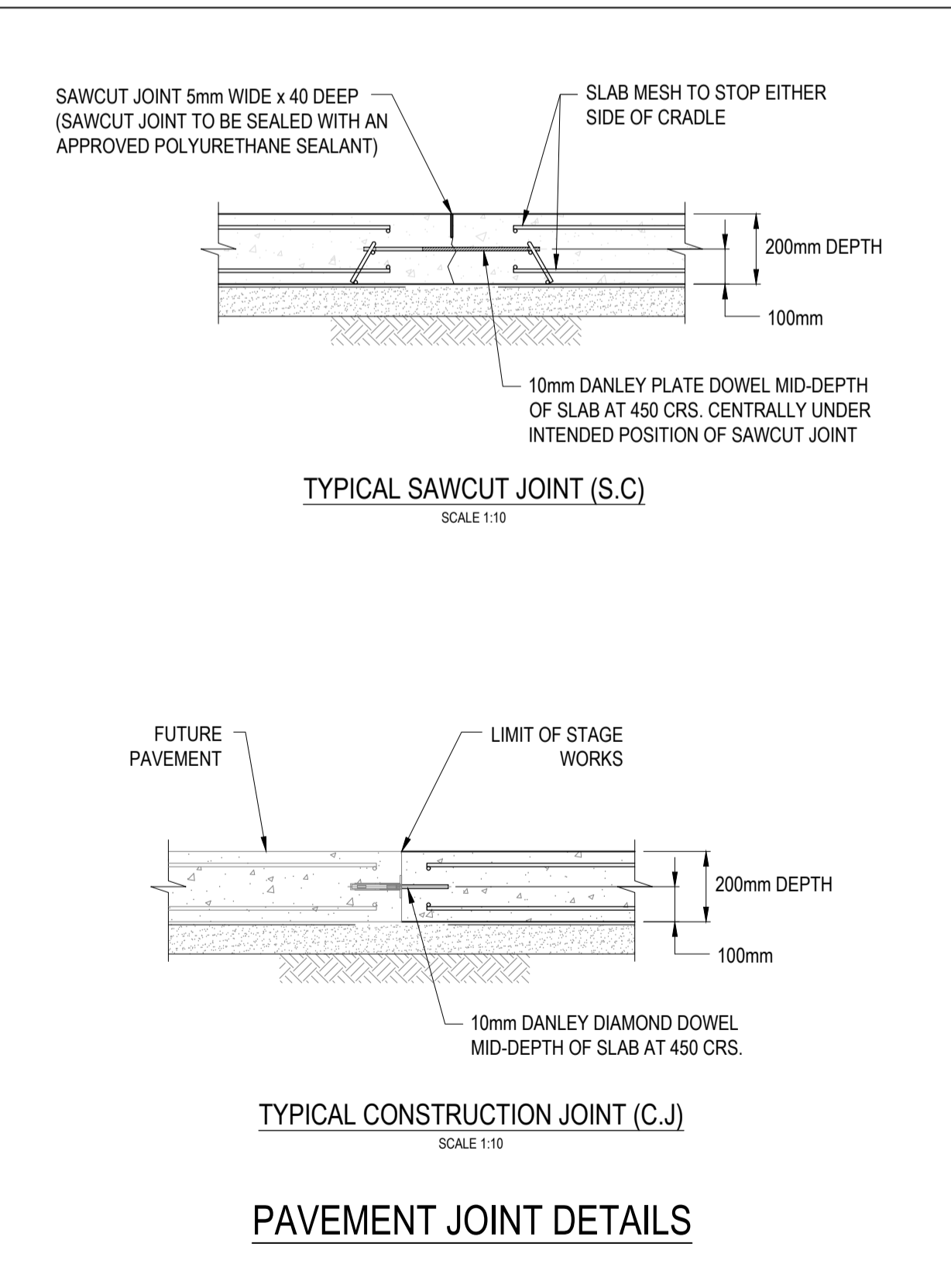
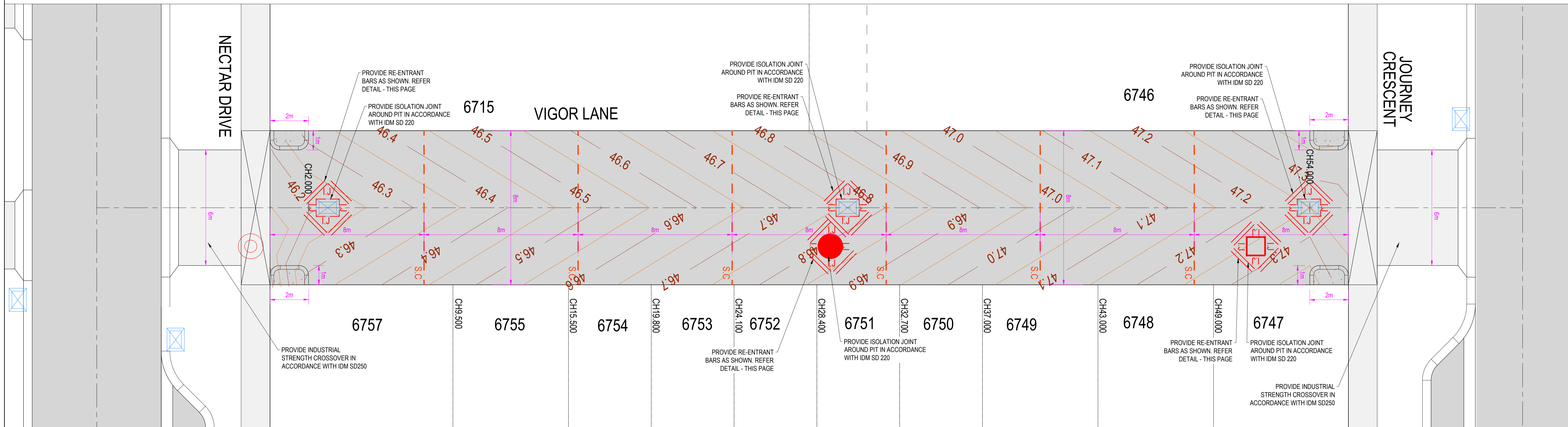
PROJECT No. **180016.67**

DRAWING No. **R900**

REVISION **2**

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

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

DRAWING TITLE

ARMSTRONG - STAGE 67
CONCRETE JOINTING & DETAIL PLAN - VIGOR LANE

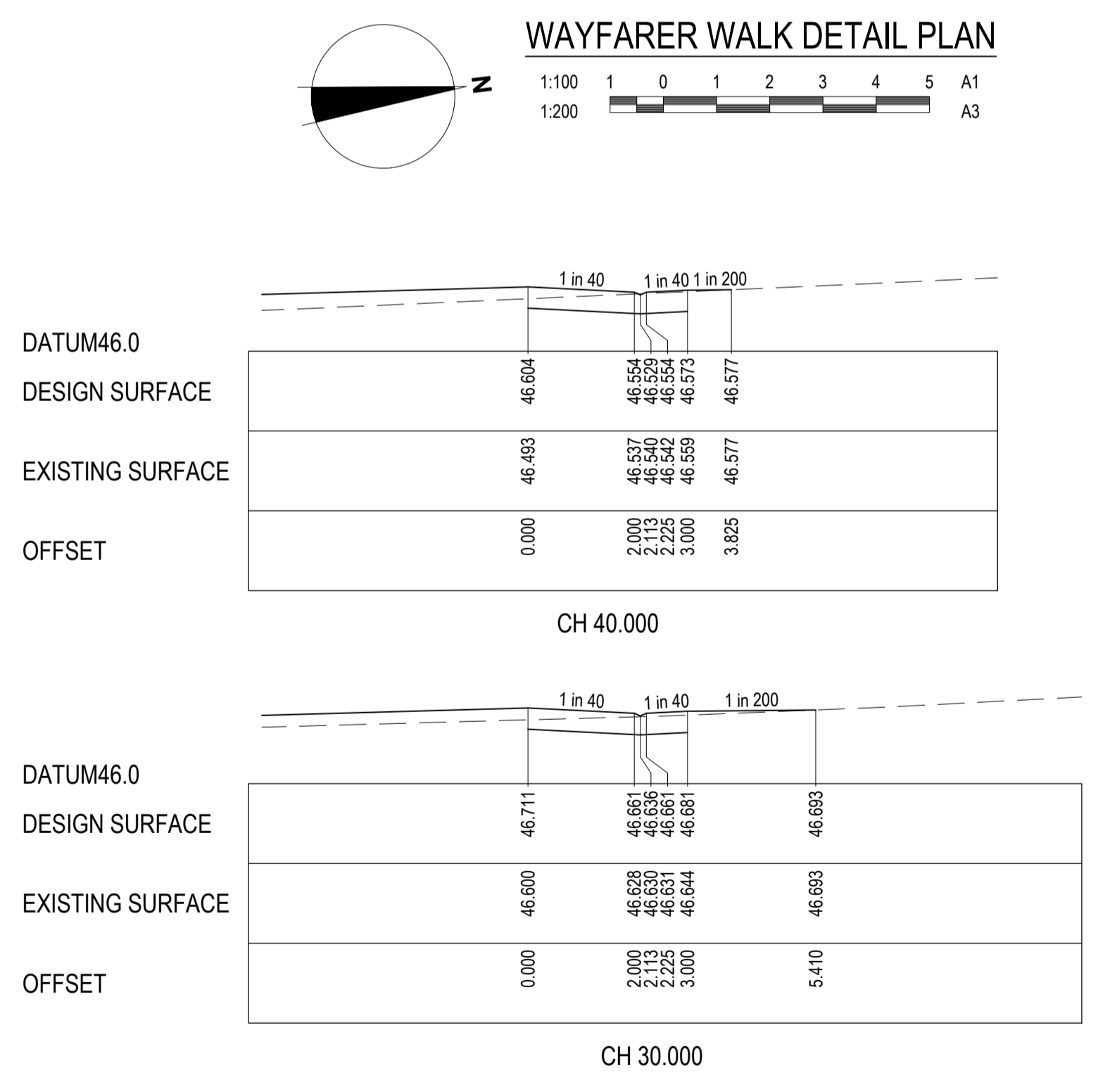
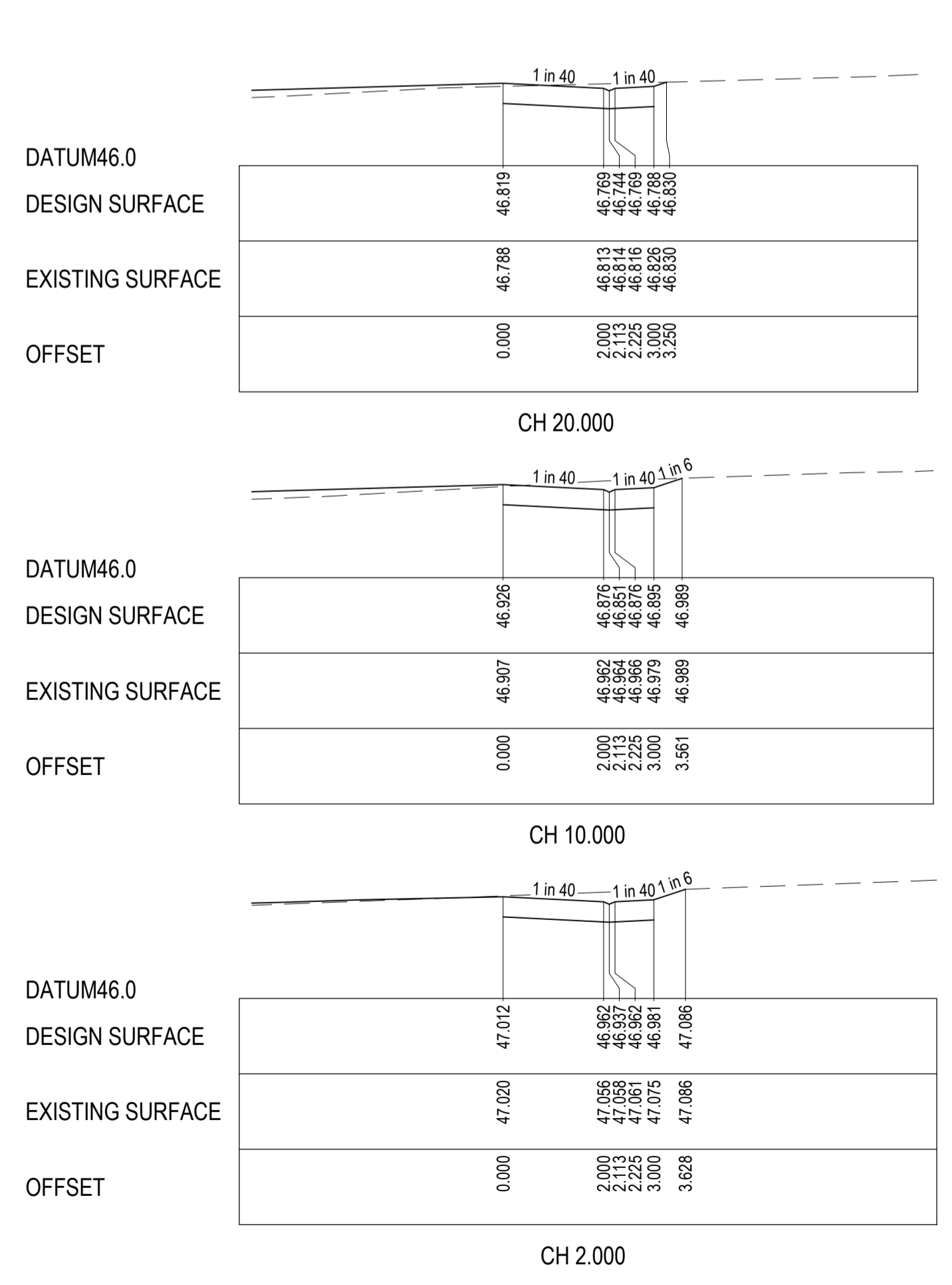
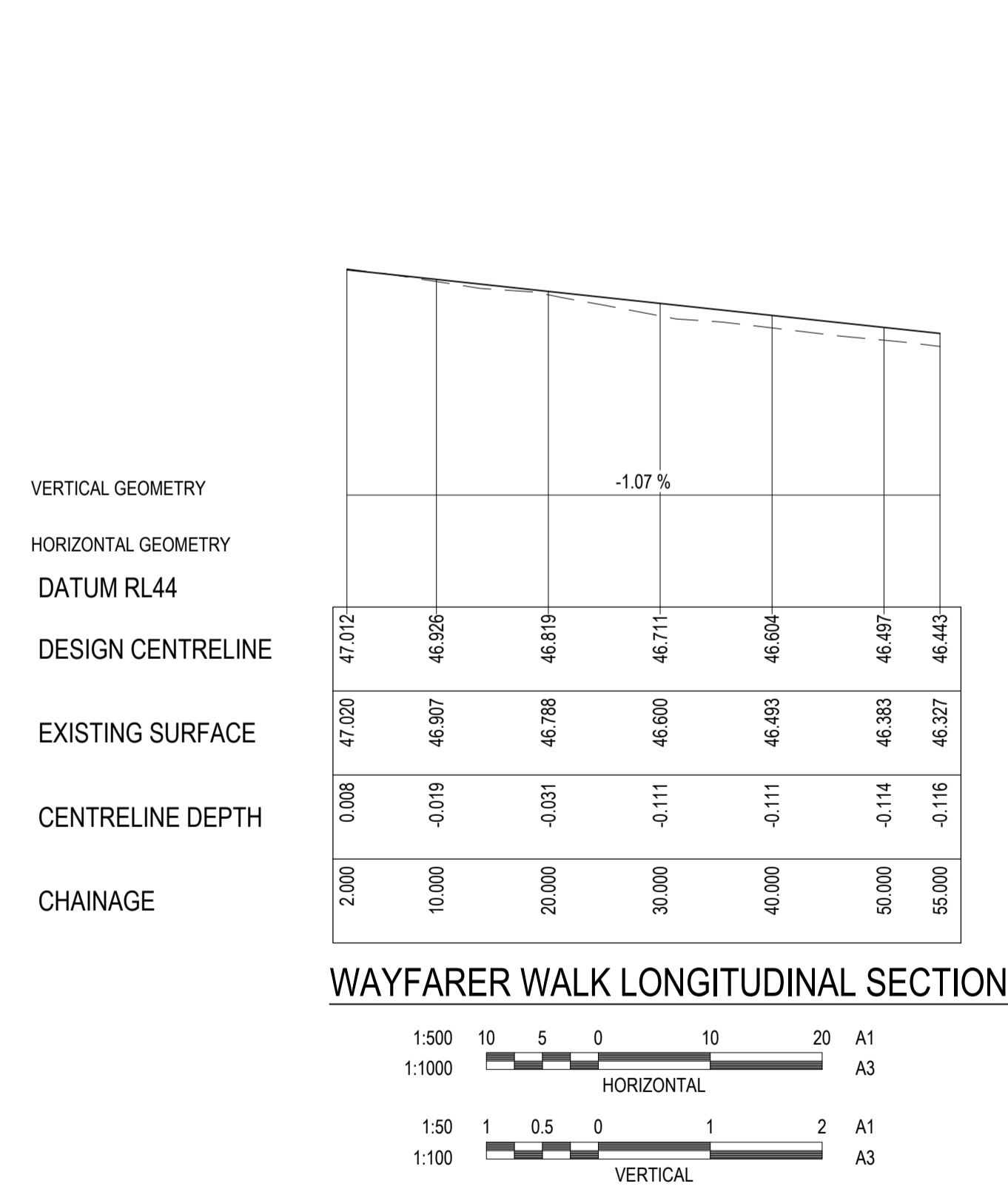
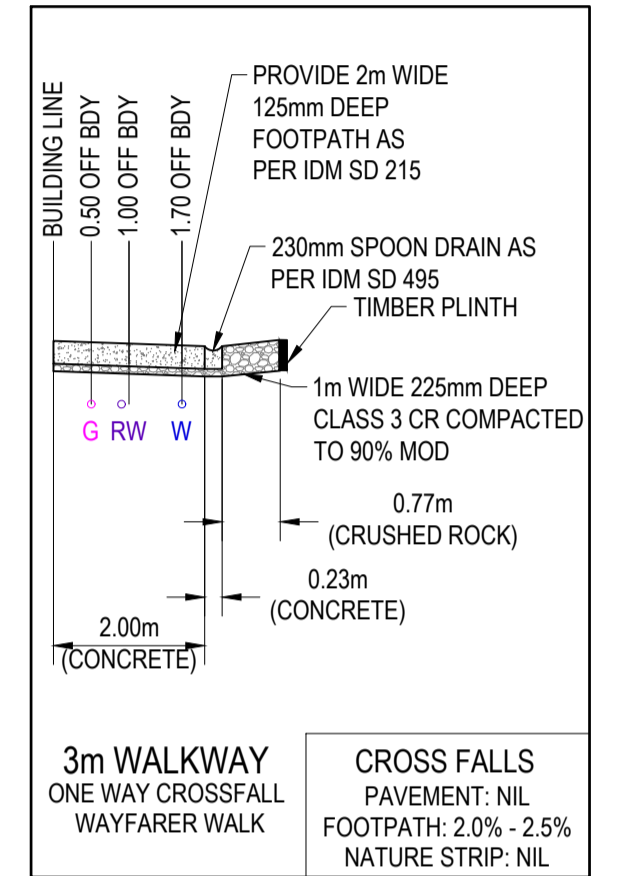
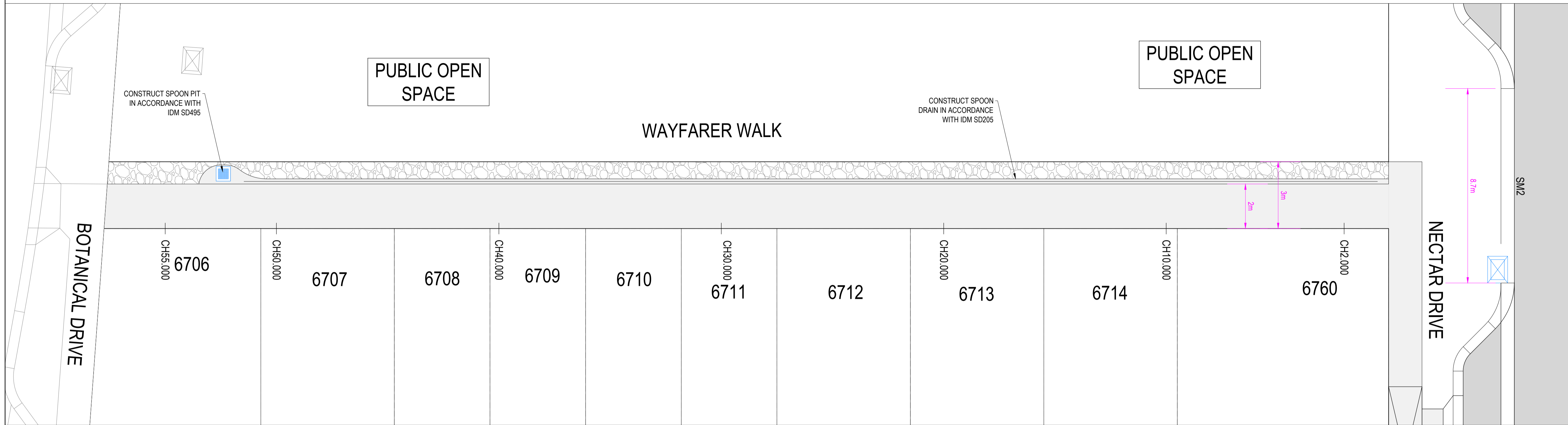
STATUS

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R901	2

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

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 AT DUNEED

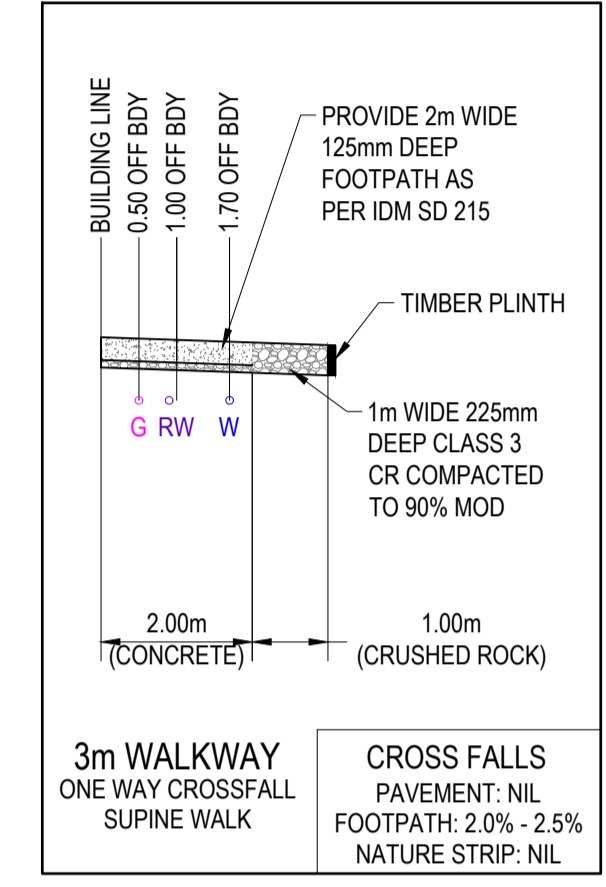
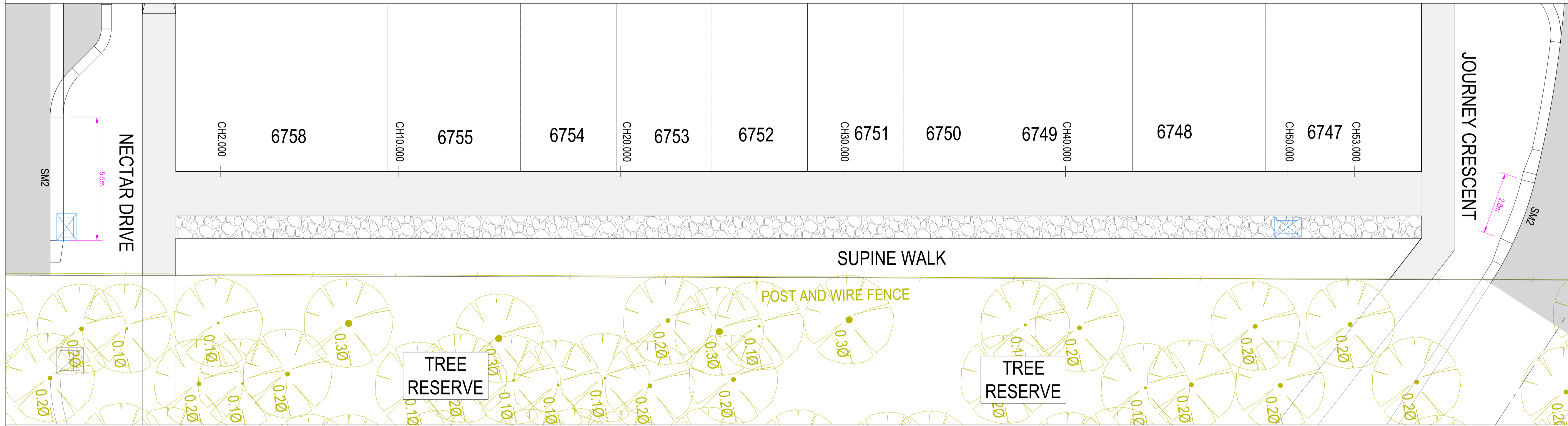
ARMSTRONG - STAGE 67
WAYFARER WALK DETAIL PLAN

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R902	1

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

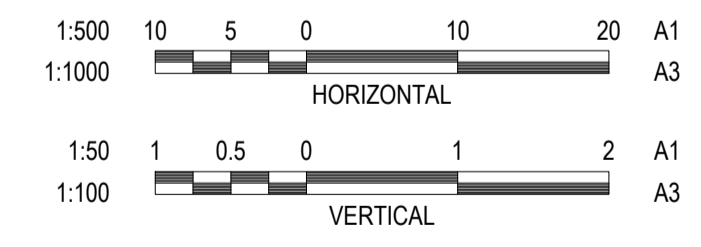
CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL



VERTICAL GEOMETRY
 HORIZONTAL GEOMETRY
 DATUM RL43

CHAINAGE	2,000	7,262	10,000	20,000	30,000	40,000	50,000	53,000
DESIGN CENTRELINE	45.895	46.059	46.099	46.223	46.353	46.483	46.613	46.650
EXISTING SURFACE	45.957	46.045	46.092	46.273	46.397	46.461	46.627	46.671
CENTRELINE DEPTH	0.062	0.013	-0.007	0.049	0.044	-0.023	0.013	0.021

SUPINE WALK LONGITUDINAL SECTION



DATUM	45.0	46.0	45.0	45.0
DESIGN SURFACE	46.223	46.173	46.043	45.845
EXISTING SURFACE	46.273	46.227	46.060	45.934
OFFSET	0.000	2.000	3.000	3.574

SUPINE WALK DETAIL PLAN

DATUM	45.0	46.0	45.0
DESIGN SURFACE	46.483	46.433	46.274
EXISTING SURFACE	46.461	46.426	46.303
OFFSET	0.000	2.000	3.025

SUPINE WALK CROSS SECTIONS

DATUM	45.0	46.0	45.0
DESIGN SURFACE	46.650	46.600	46.534
EXISTING SURFACE	46.671	46.622	46.554
OFFSET	0.000	2.000	3.836

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	28/10/2021	LOT LAYOUT CHANGED	I.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

villawood properties
 Communities Designed for Living

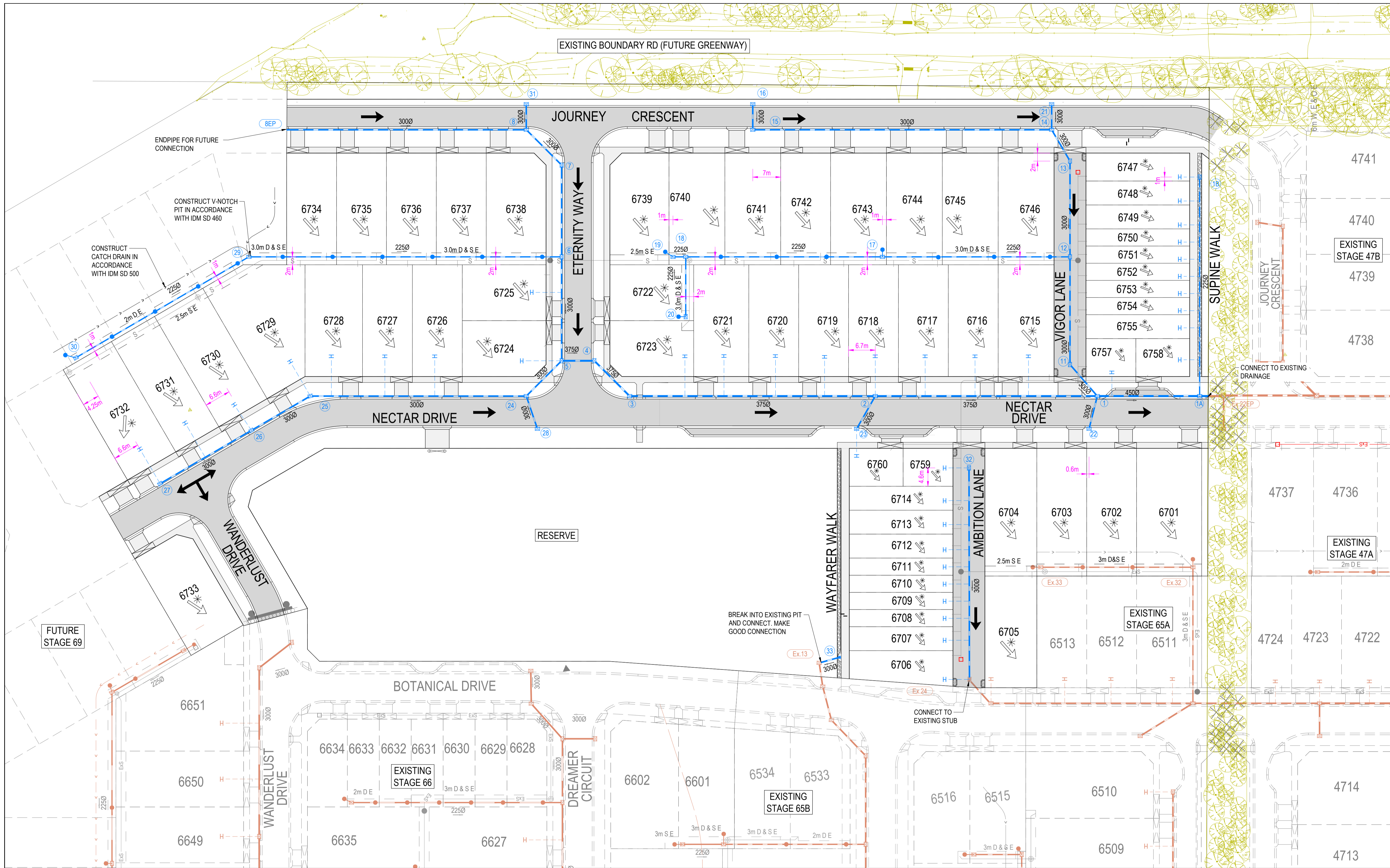
creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 MT DUNEED

ARMSTRONG - STAGE 67
SUPINE WALK DETAIL PLAN

ISSUED FOR CONSTRUCTION

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R903	1



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/03/2022	LOT LAYOUT CHANGE	B.L.	M.T.	M.T.
1	28/10/2021	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
C	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.
B	15/06/21	TENDER ISSUE	C.R.	M.T.	T.P.
A	15/07/21	ISSUED FOR APPROVAL	M.T.	M.T.	T.P.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

PROJECT

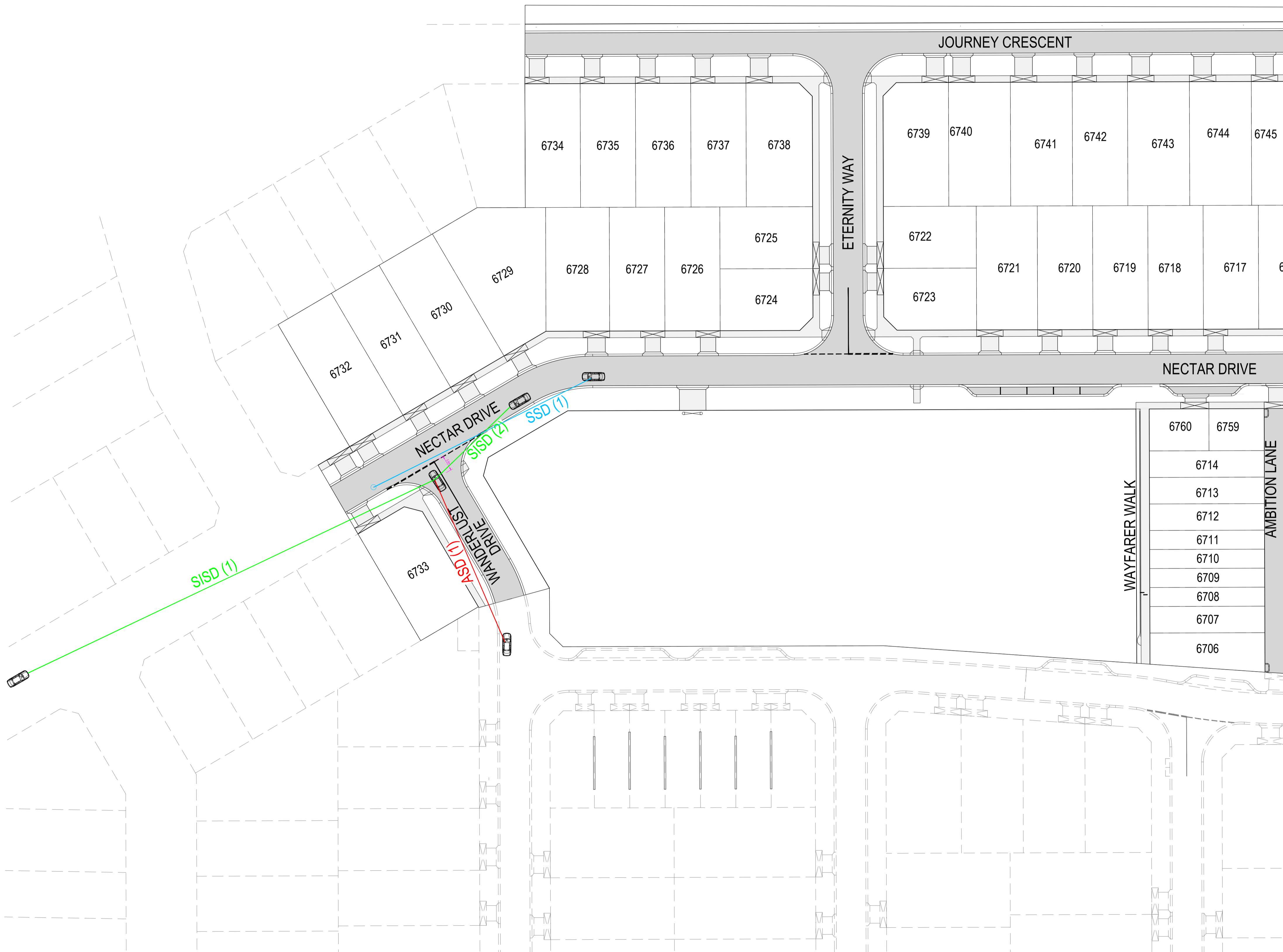
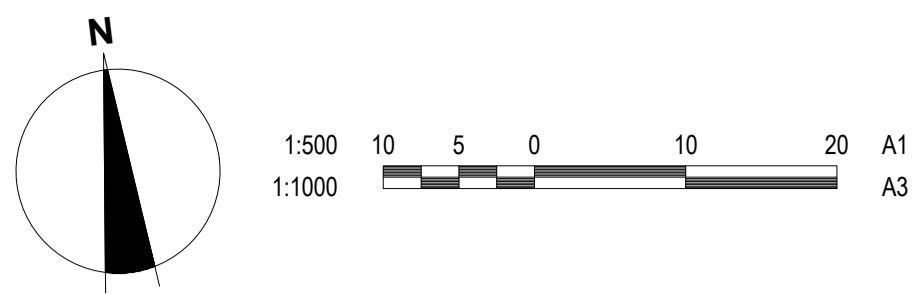
DRAWING TITLE

**ARMSTRONG - STAGE 67
DRAINAGE LAYOUT PLAN**

STATUS

**ISSUED FOR
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	JULY 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R1000	2



SIGHT DISTANCE CALCULATIONS		
SIGHT LINE	LENGTH	CALCULATION JUSTIFICATION
ASD (1)	40m	
SISD (1)	102m	PROVIDED TO FUTURE INTERSECTION
SISD (2)	24m	PROVIDED TO 30° BEND NECTAR DRIVE
SSD (1)	55m	55m IN ACCORDANCE WITH AGRD PART 3, TABLE 5.5 - NO GRADE CORRECTION APPLIED. PROVIDED THROUGH CREST VERTICAL CURVE ALONG NECTAR DRIVE

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	28/10/21	LOT LAYOUT CHANGED	L.H.	M.T.	T.P.
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
A	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

PROJECT

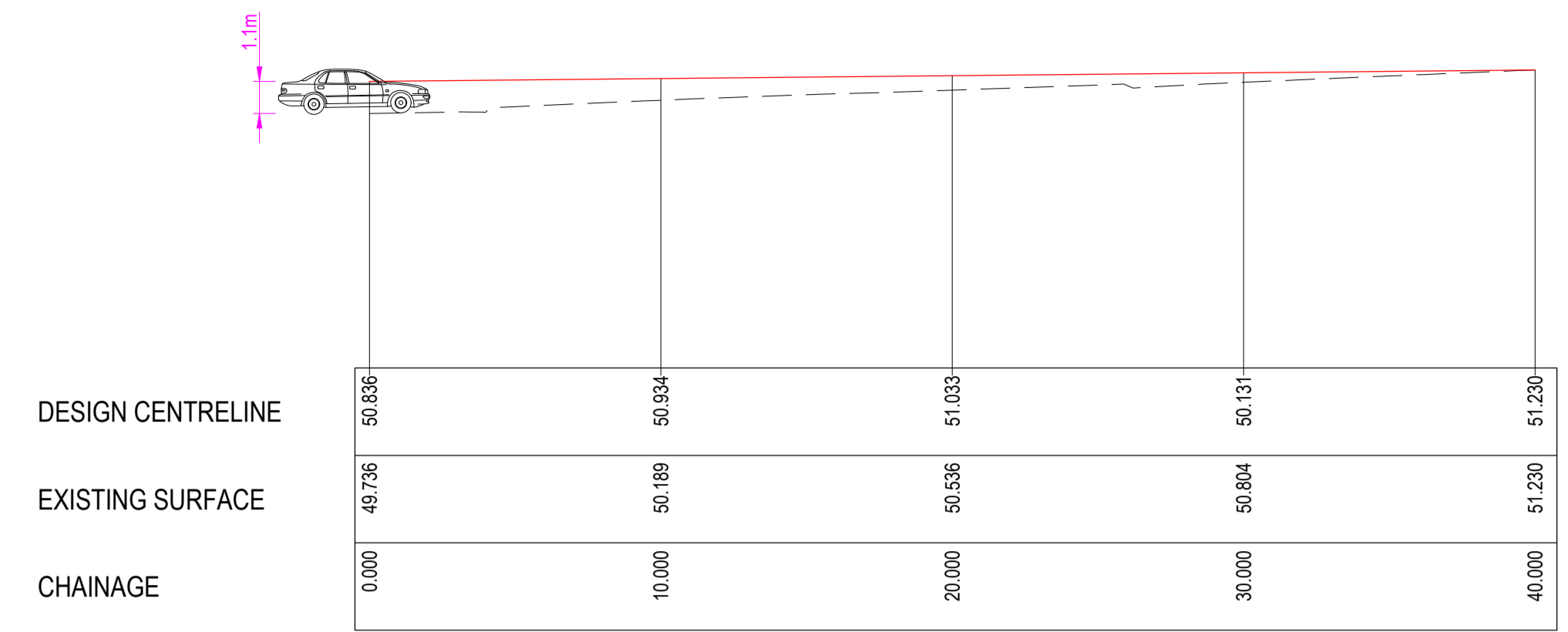
DRAWING TITLE

**ARMSTRONG - STAGE 67
SIGHT DISTANCE - LAYOUT**

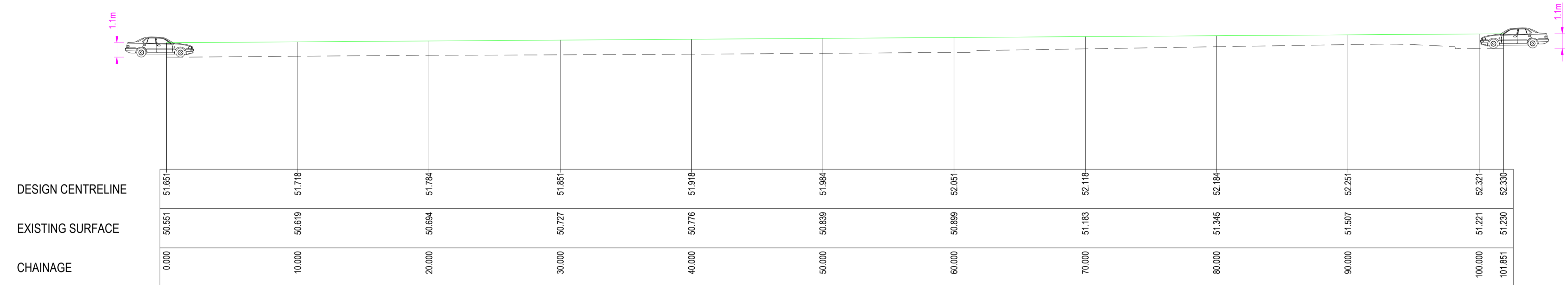
STATUS

**ISSUED FOR
CONSTRUCTION**

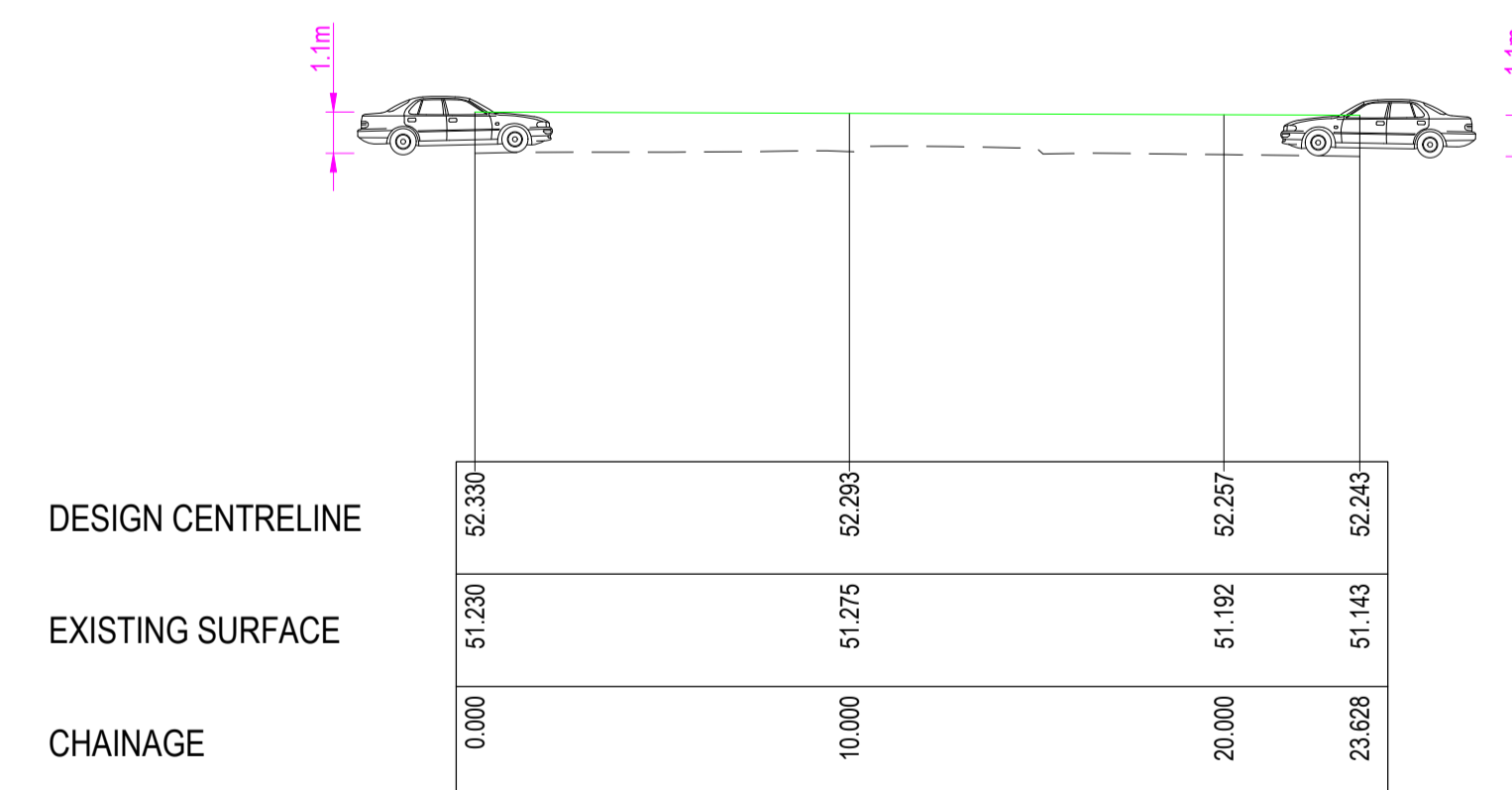
SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	SEPTEMBER 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R1100	1



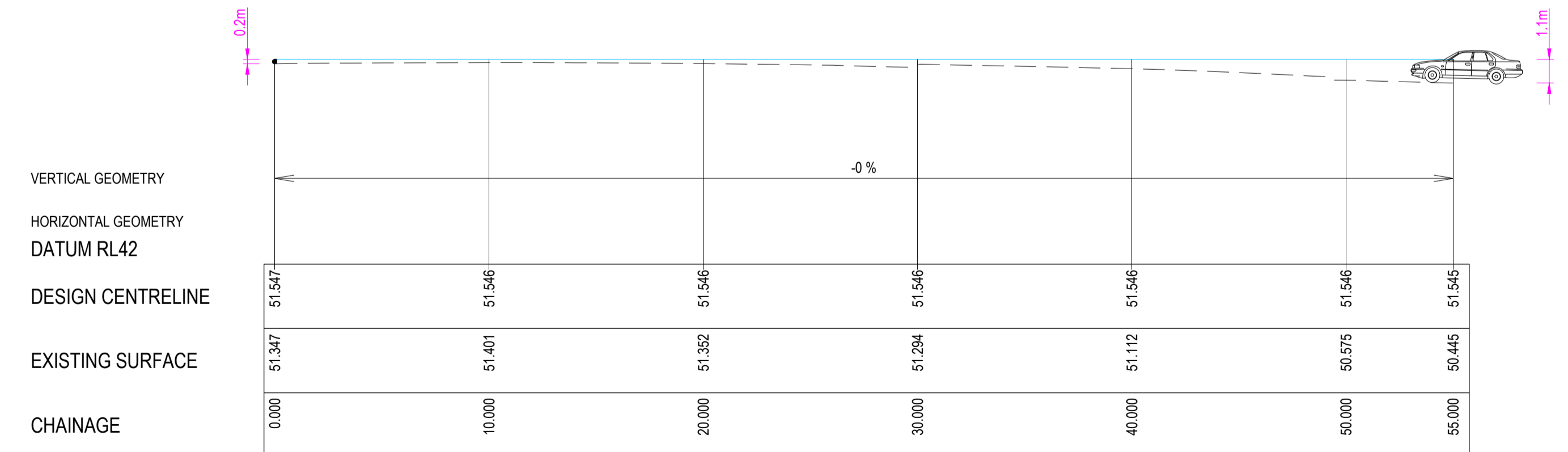
ASD (1)



SISD (1)

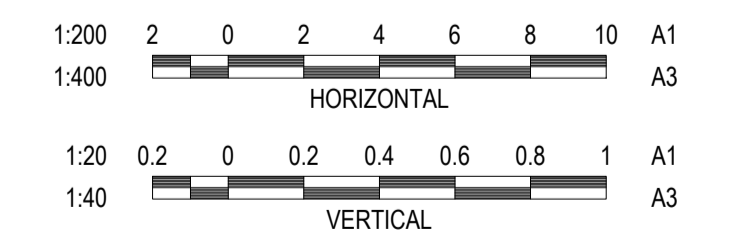


SISD (1)



SSD (1)

VERTICAL GEOMETRY
 HORIZONTAL GEOMETRY
 DATUM RL42
 DESIGN CENTRELINE
 EXISTING SURFACE
 CHAINAGE



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	24/09/21	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.
A	17/09/21	AMENDED TO COUNCIL COMMENTS (15/09/21)	K.M.	M.T.	T.P.

CLIENT

Communities Designed for Living

CLIENT

Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

PROJECT

DRAWING TITLE

**ARMSTRONG - STAGE 67
 SIGHT DISTANCE - SECTIONS**

STATUS

**ISSUED FOR
 CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	M.TROUNCE	M.TROUNCE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M. TROUNCE	T. PALIOS	SEPTEMBER 2021
PROJECT No.	DRAWING No.	REVISION
180016.67	R1101	0