

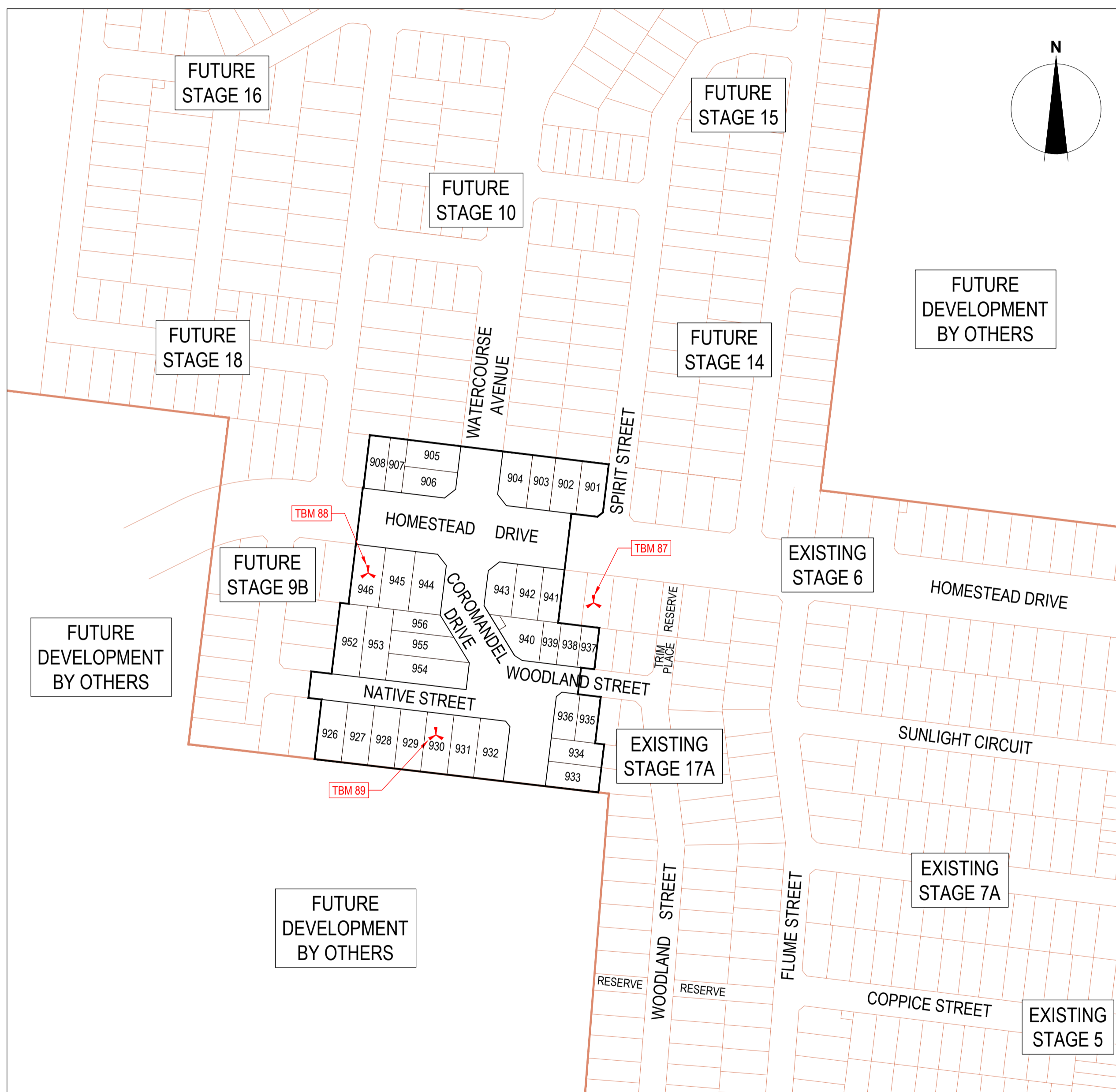
# CORIDALE ESTATE

## STAGE 9A

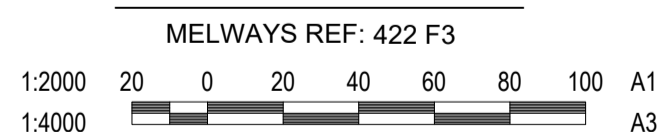
### CITY OF GREATER GEELONG

**GENERAL NOTES:**

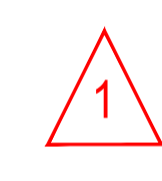
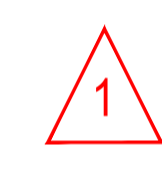
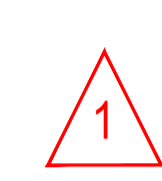
- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS AND GREATER GEELONG CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY 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 STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
- FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-1996. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT.
- FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING A MINIMUM DENSITY RATIO OF 98% (STANDARD) IN ACCORDANCE WITH AS1289 CLAUSE 5.1.1.
- CUT AND FILL BATTER SLOPES ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE.
- ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED UNLESS STATED OTHERWISE.
- ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WET/MIX) 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.
- ALL CONCRETE WORKS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 12 REQUIREMENTS INCLUDING THE CONSTRUCTION OF ALL FOOTPATH WITH A MINIMUM OF 32MPa CONCRETE.



LOCALITY PLAN



DRAWING NO.	DRAWING TITLE	REVISION
R100	COVER SHEET	1
R200	LAYOUT PLAN - 1	0
R201	LAYOUT PLAN - 2	1
R202	TYPICAL ROAD CROSS SECTIONS	0
R300	INTERSECTION DETAILS - 1	0
R301	INTERSECTION DETAILS - 2	0
R302	INTERSECTION DETAILS - 3	0
R400	ROAD LONGITUDINAL SECTIONS - 1	0
R401	ROAD LONGITUDINAL SECTIONS - 2	0
R500	ROAD CROSS SECTIONS - 1	0
R501	ROAD CROSS SECTIONS - 2	0
R502	ROAD CROSS SECTIONS - 3	0
R503	ROAD CROSS SECTIONS - 4	0
R504	ROAD CROSS SECTIONS - 5	0
R505	ROAD CROSS SECTIONS - 6	0
R506	ROAD CROSS SECTIONS - 7	0
R600	DRAINAGE LONG SECTIONS - 1	1
R601	DRAINAGE LONG SECTIONS - 2	1
R602	DRAINAGE LONG SECTIONS - 3	0
R603	DRAINAGE LONG SECTIONS - 4	0
R604	DRAINAGE LONG SECTIONS - 5	0
R605	DRAINAGE LONG SECTIONS - 6	0
R606	DRAINAGE LONG SECTIONS - 7	0
R607	PIT SCHEDULE - 1	1
R608	PIT SCHEDULE - 2	0
R700	TYPICAL DETAILS - 1	0
R701	TYPICAL DETAILS - 2	0
R702	PIT DETAILS	0
R800	SIGNAGE & LINEMARKING	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](http://www.1100.com.au)

**NOTE:**  
THE SITE OF WORKS IS SUBJECT TO THE PROVISIONS OF CULTURAL HERITAGE MANAGEMENT PLAN No.15781.  
ALL WORKS AND PERSONNEL MUST OBSERVE THE REQUIREMENTS OF THE MANAGEMENT PLAN AT ALL TIMES.

Name	Type	Easting	Northing	RL
TBM 87	STAR PICKET	269156.5500	5789421.2300	18.8500
TBM 88	STAR PICKET	269021.2400	5789439.1100	19.0400
TBM 89	STAR PICKET	269061.9400	5789342.0200	19.6300

Name	Easting	Northing	RL
MORANGHURK PM17	270000.0000	5790220.0000	14.0400
MORANGHURK PM122	269845.0320	5788675.9690	15.9270
MORANGHURK PM128	269998.2110	5790198.2930	13.6170

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
1	26/07/22	DRAINAGE CHANGES	I.HOGAN	C.ROHDE	M.TROUNCE
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

PROJECT

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
COVER SHEET**

PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR  
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
1:2000 @ A1	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R100</b>	<b>1</b>

P:\2018\18014\_206-245 CHALLENGERS RD\_LARA\18014\_SAV\DWG\2\_DRAFTING\CAD\180014\_9A\_R100\_COVER\_SHEET.DWG

- 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.

**LEGEND - LAYOUT PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- 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
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- 1.8m HIGH CAPPED TIMBER PALING FENCE INCLUDING 190 x 35 H4 TREATED PINE PLINTH
- STORM WATER PIT SETOUT POINT

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

**WARNING**  
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 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
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**SERVICES OFFSET SCHEDULE**

ROAD NAME	GAS		WATER		OPTIC FIBRE		ELECTRICITY		PUBLIC LIGHTING	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
HOMESTEAD DRIVE	NORTH	3.10	NORTH	3.60	SOUTH	1.80	SOUTH	2.40	-	CENTRAL
CORAMANDEL DRIVE	WEST	3.10	SOUTH	3.90	EAST	2.85	EAST	3.60	EAST	1.00*
WATERCOURSE AVENUE	WEST	3.10	WEST	3.80	EAST	2.85	EAST	3.60	EAST	1.00*
WOODLAND STREET	NORTH	2.10	NORTH	2.70	SOUTH	1.85	SOUTH	2.40	SOUTH	1.00*
NATIVE STREET	SOUTH	2.10	SOUTH	2.70	NORTH	1.85	NORTH	2.40	NORTH	1.00*

1. \* DENOTES OFFSET FROM BACK OF KERB.



CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

**GREATER GEELONG CITY COUNCIL**  
**PLANNING ENVIRONMENT ACT 1987**  
**GREATER GEELONG PLANNING SCHEME**

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 2 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

**NOTE: THIS IS NOT A BUILDING APPROVAL**



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE



Suite 1, 2 Bloombsury Street  
 Geelong, VIC, Australia 3220

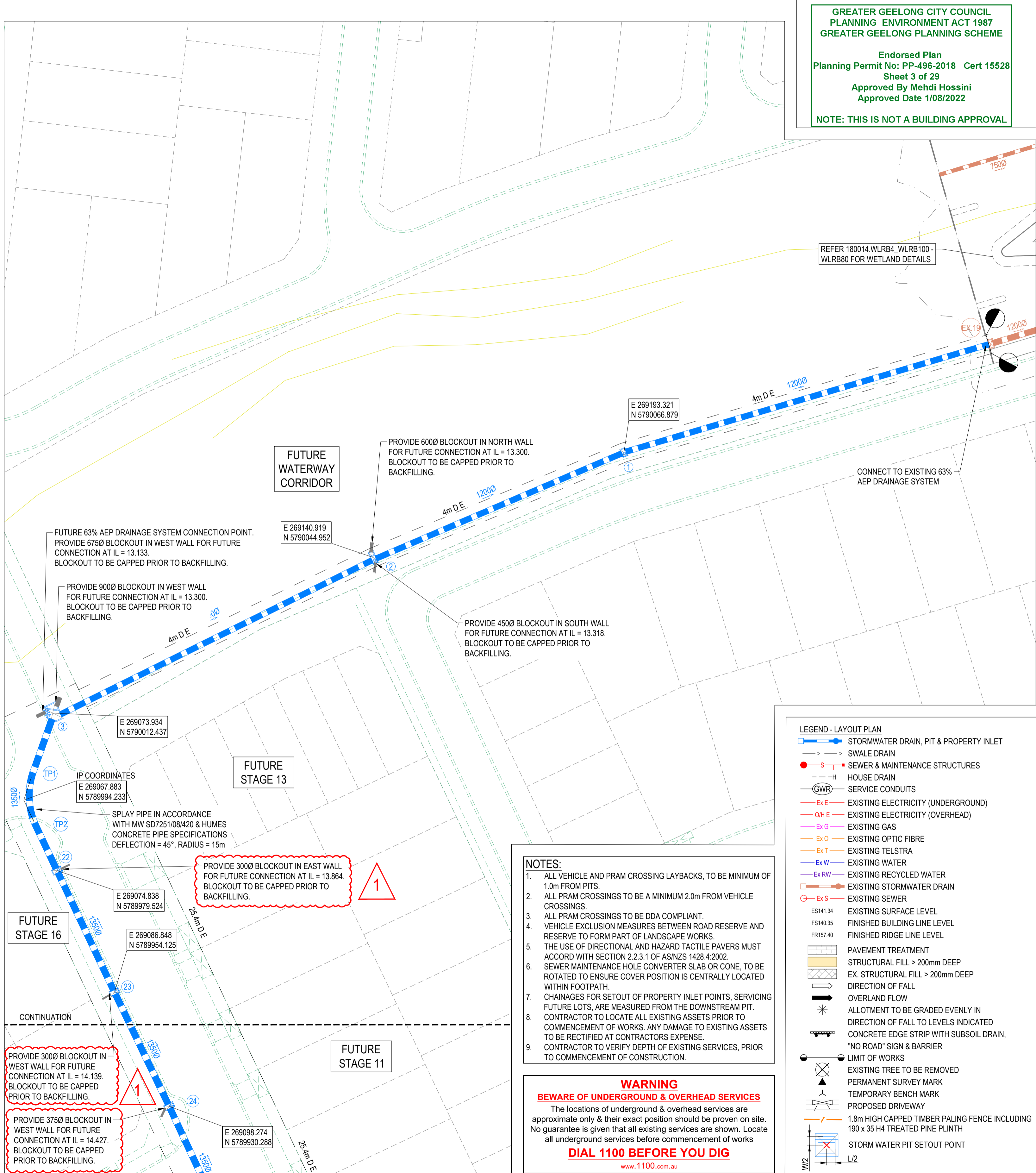
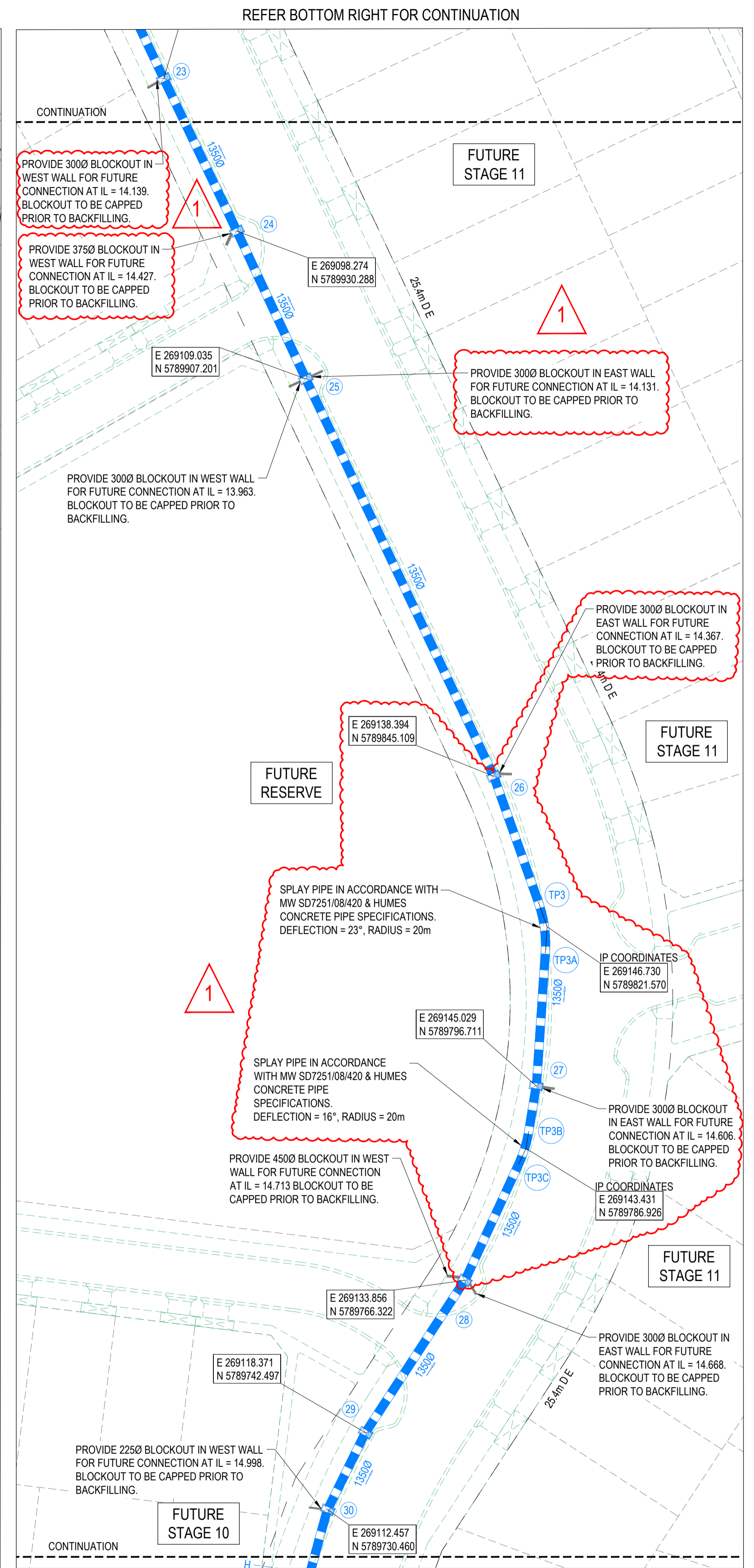
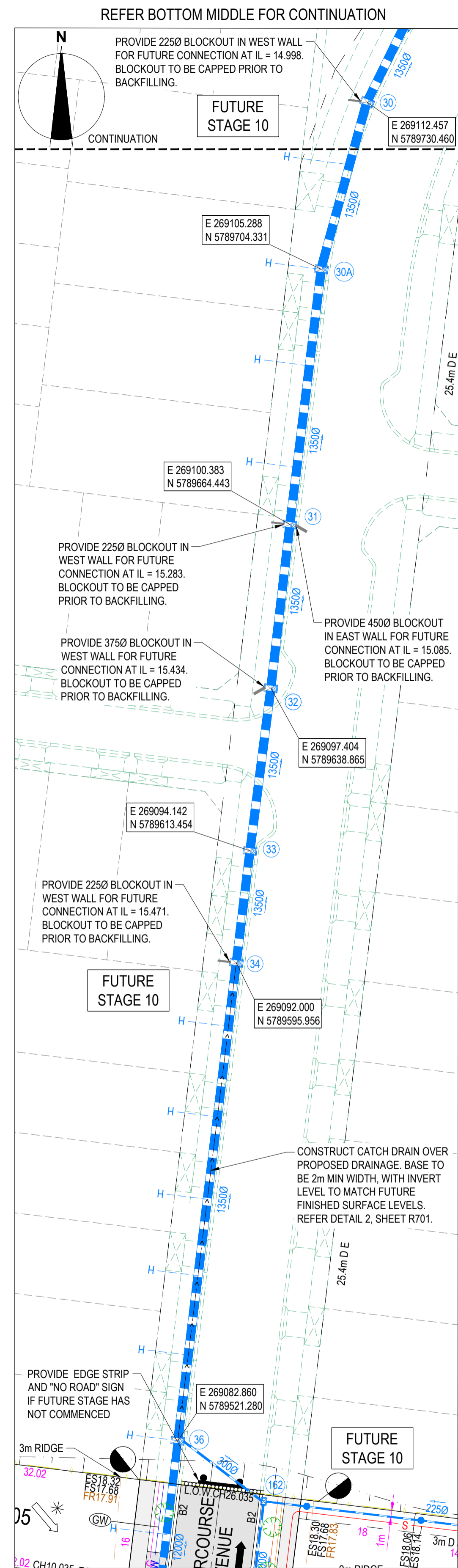
**Coridale**  
 LARA

**CORIDALE ESTATE - STAGE 9A**  
**LAYOUT PLAN - 1**

PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R200</b>	<b>0</b>



**LEGEND - LAYOUT PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
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**villawood**  
 properties  
 Communities Designed for Living

**creo**  
 CONSULTANTS

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

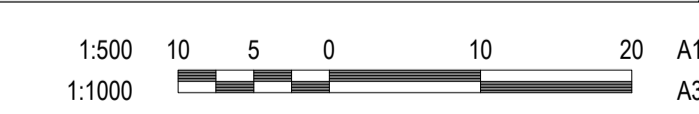
**Coridale**  
 LARA

**CORIDALE ESTATE - STAGE 9A**  
**LAYOUT PLAN - 2**

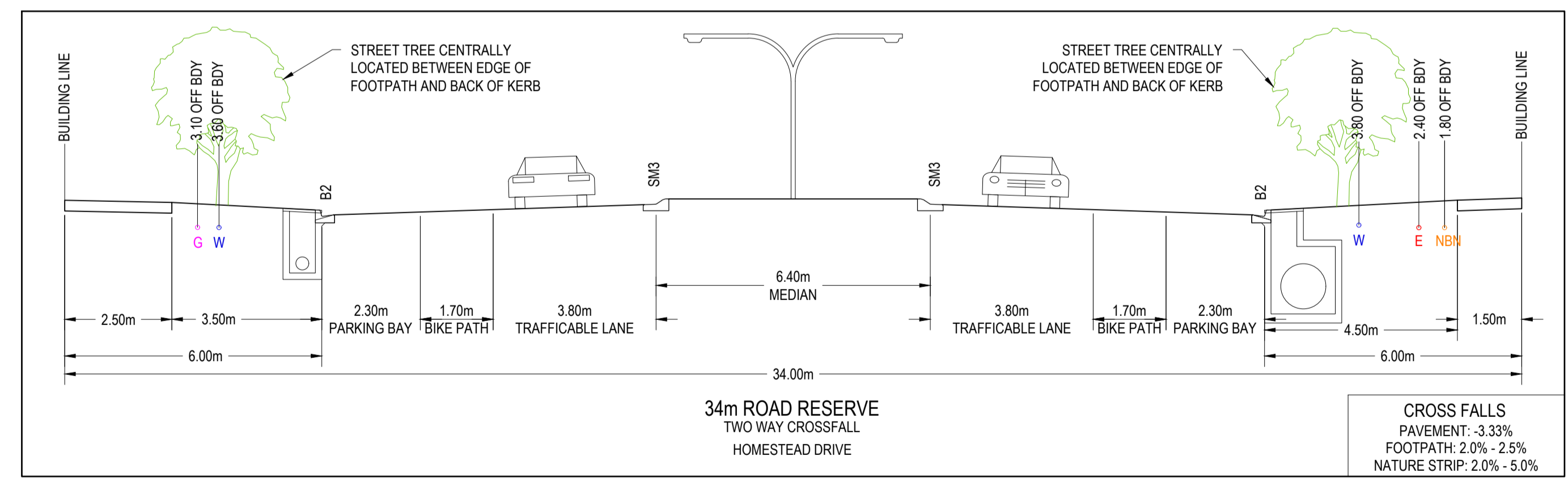
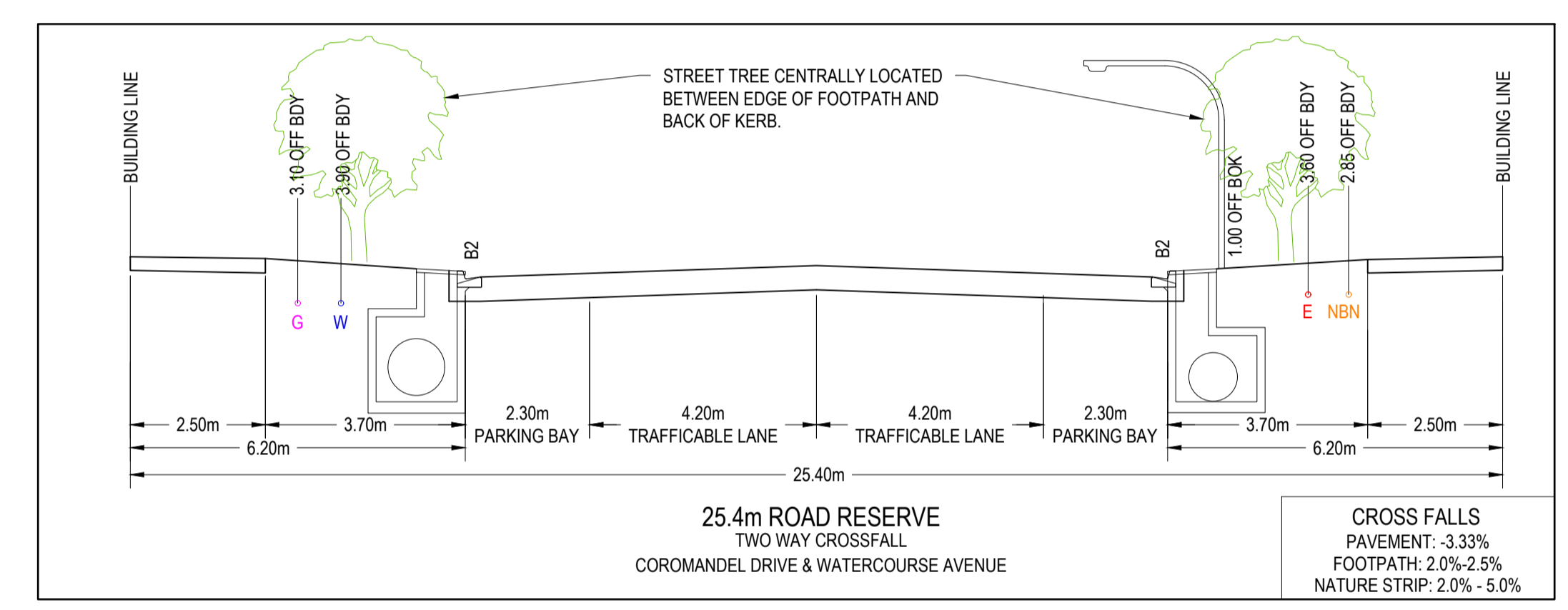
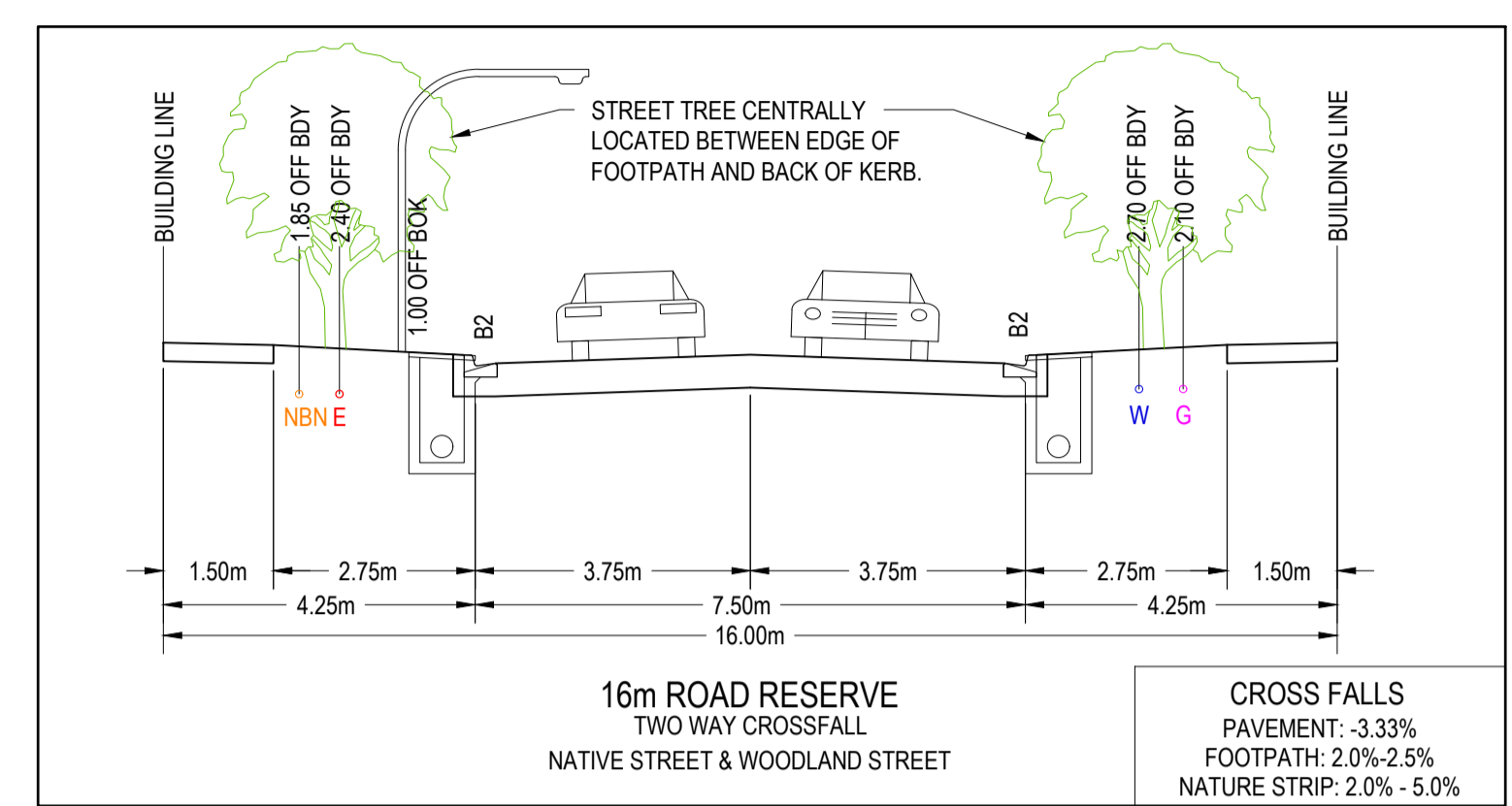
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R201</b>	<b>1</b>



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0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

PROJECT

LARA

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A**  
 TYPICAL ROAD CROSS SECTIONS

PLANNING PERMIT No: PP-496-2018

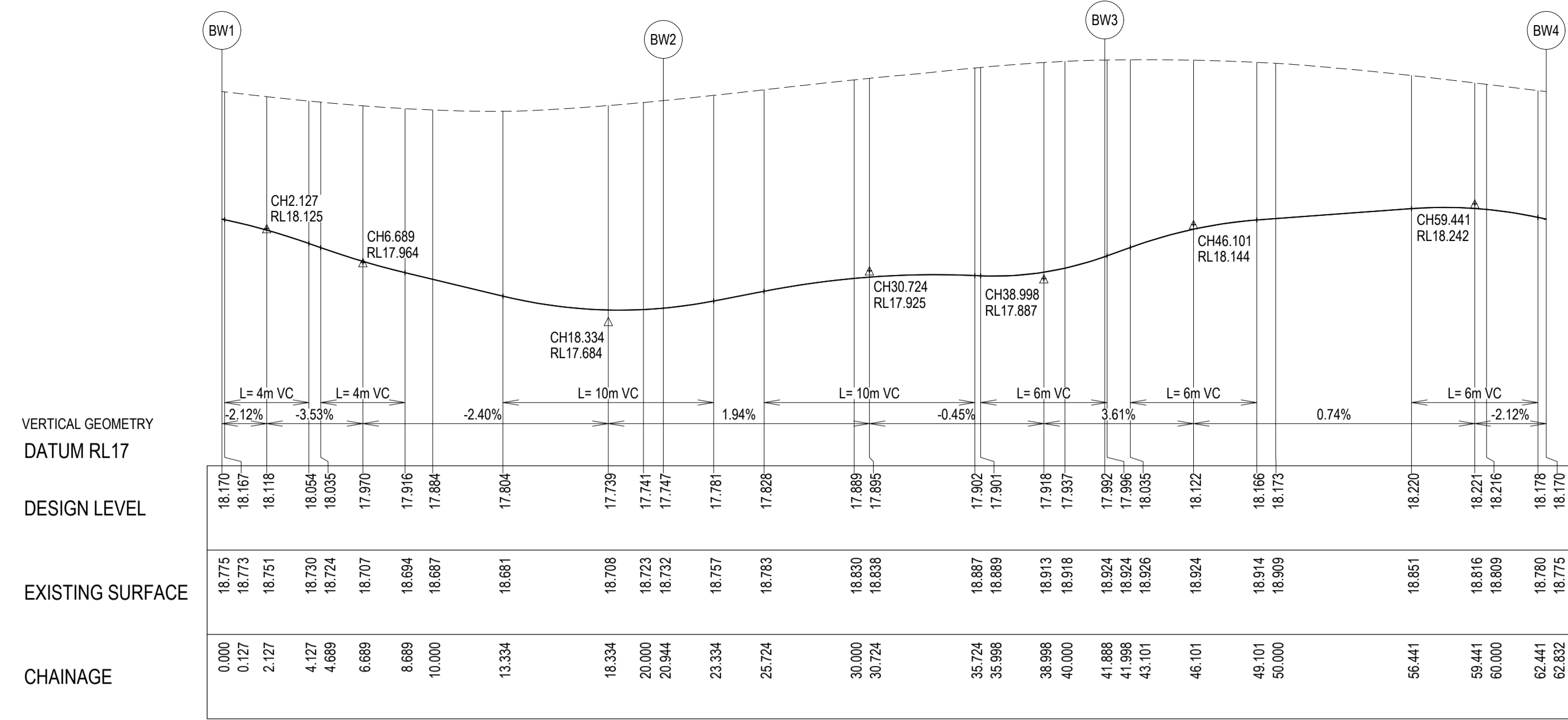
STATUS

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R202</b>	<b>0</b>



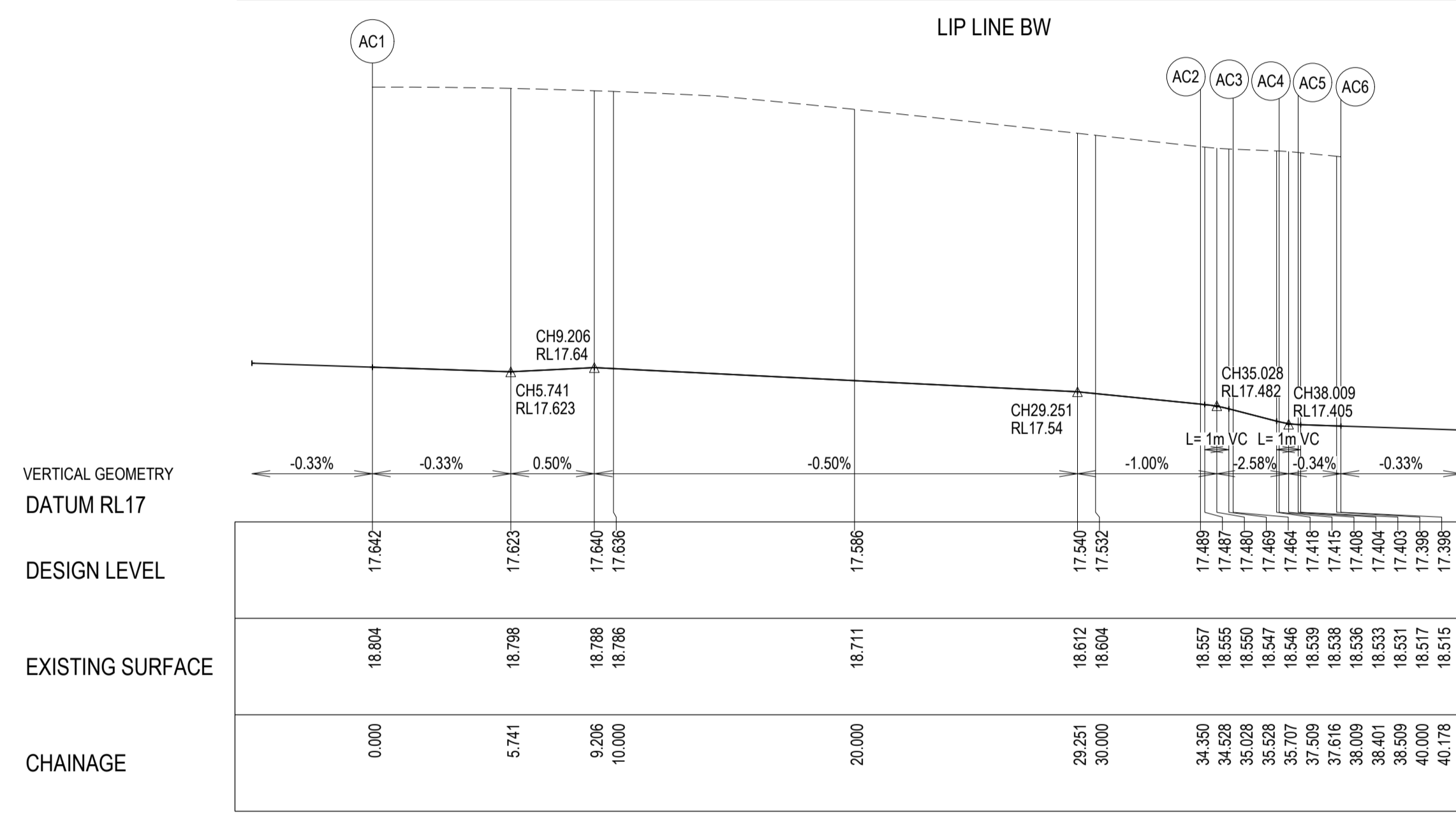
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ALIGNMENT BW

PT NO	EASTING	NORTHING	RL
BW1	269093.583	5789464.962	18.17
BW2	269078.583	5789473.622	17.747
BW3	269078.583	5789456.301	17.992

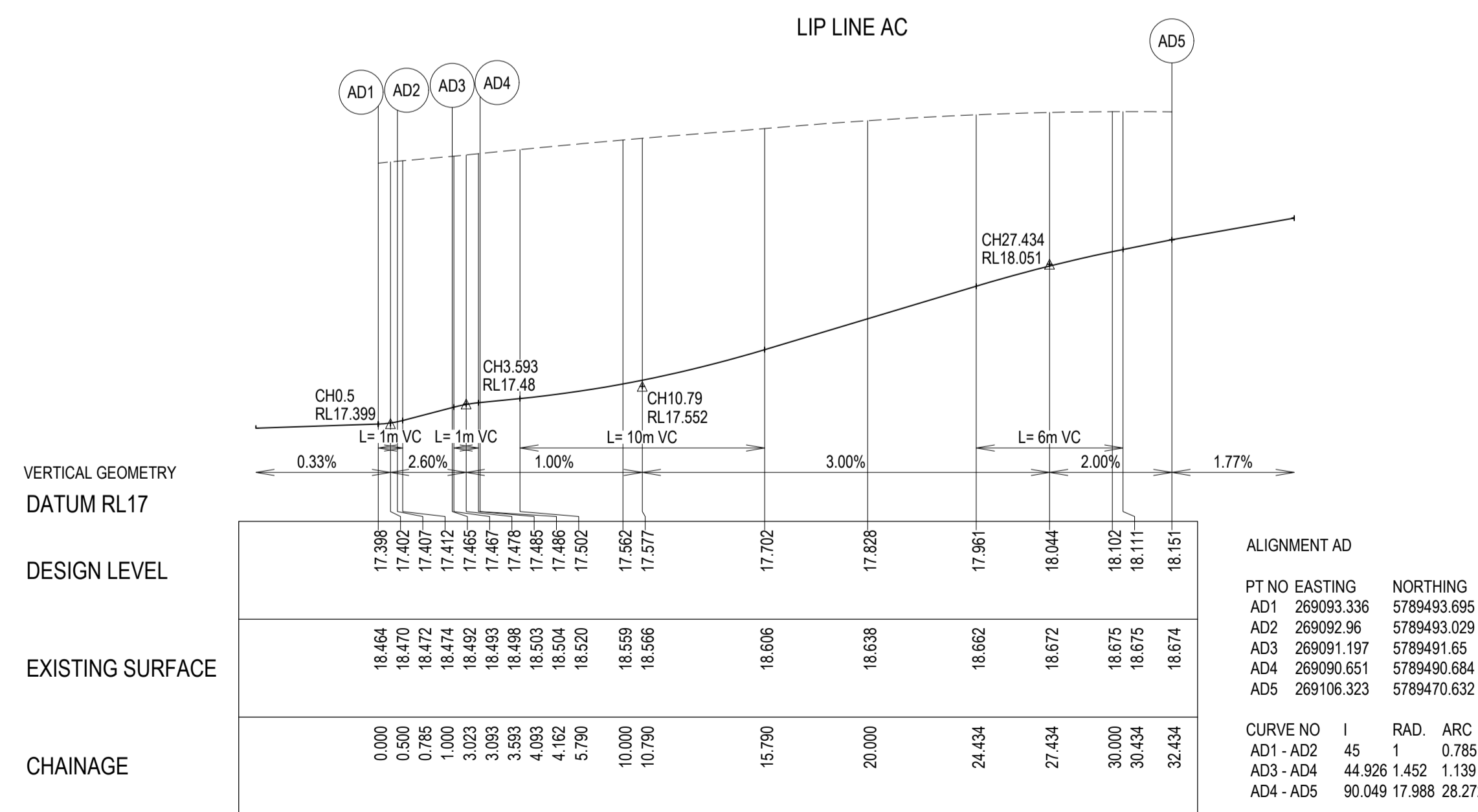
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
BW1 - BW2	120	10	20.944	5	3.66	5	3.66	5.236	17.873
BW2 - BW3	120	10	20.944	5	3.66	5	3.66	5.236	17.899
BW3 - BW1	120	10	20.944	5	3.66	5	3.66	5.236	18.19



ALIGNMENT AC

PT NO	EASTING	NORTHING	RL
AC1	269055.081	5789475.212	17.642
AC2	269082.355	5789489.876	17.489
AC3	269082.132	5789491.165	17.464
AC4	269080.993	5789492.697	17.415
AC5	269080.806	5789493.439	17.404
AC6	269081.028	5789495.202	17.398

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
AC1 - AC2	89	459	22	34.35	8.37	4.716	8.371	7.112	8.587
AC2 - AC3	53	626	1.45	1.357	0.156	0.116	0.336	0.318	17.480
AC4 - AC5	45	1	0.785	0.076	0.057	0.195	0.188	0.196	17.408



ALIGNMENT AD

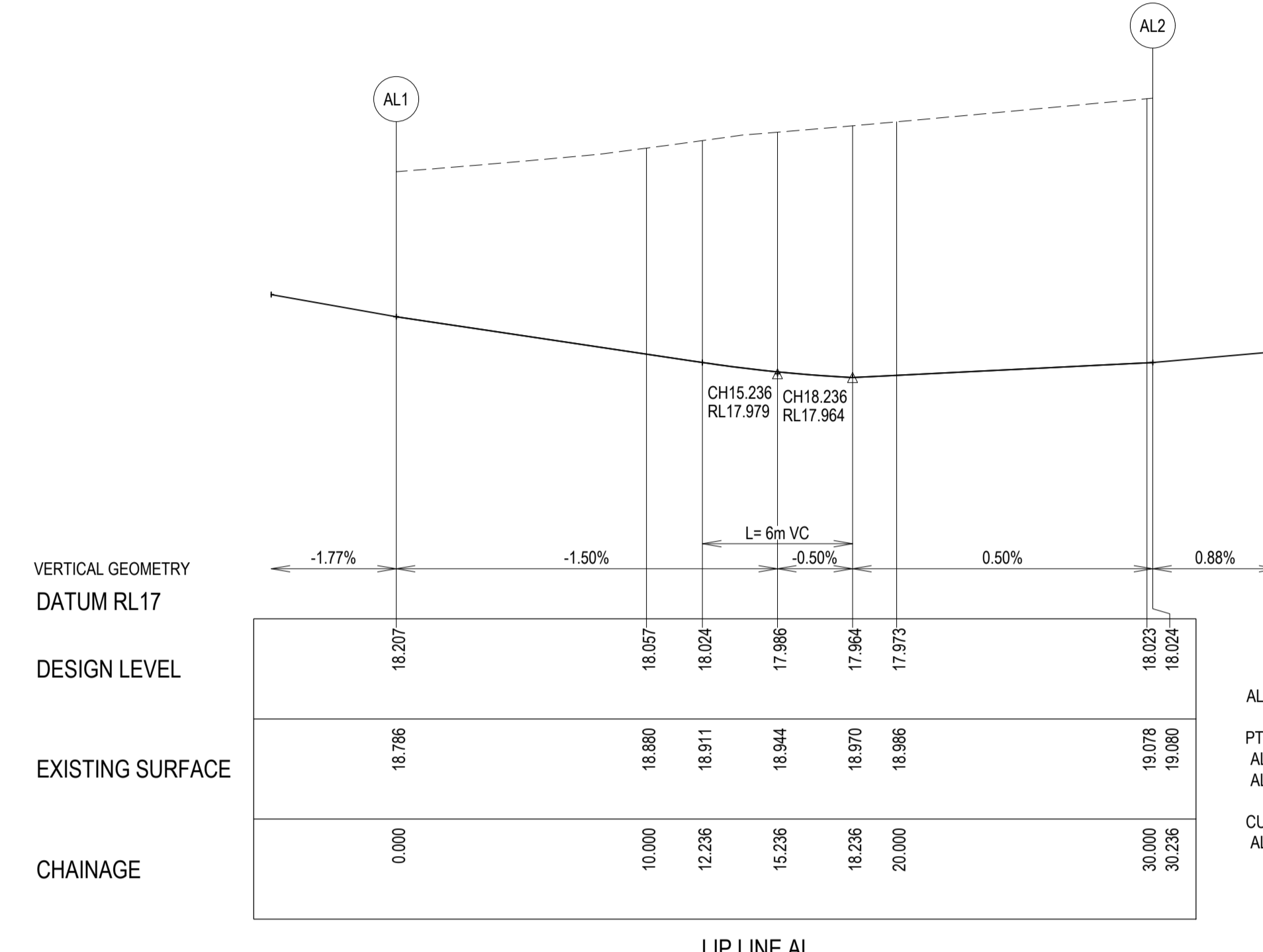
PT NO	EASTING	NORTHING	RL
AD1	269053.336	5789493.695	17.398
AD2	269052.96	5789493.029	17.407
AD3	269051.197	5789491.65	17.465
AD4	269030.651	5789490.684	17.486
AD5	269106.323	5789470.632	18.151

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
AD1 - AD2	45	1	0.785	0.076	0.057	0.195	0.188	0.196	17.401
AD3 - AD4	44	926	1.139	0.11	0.082	0.283	0.272	0.285	17.478
AD4 - AD5	90	049	17.988	28.272	5.274	3.903	6.887	5.838	7.068

ALIGNMENT BV

PT NO	EASTING	NORTHING	RL
BV1	269076.306	5789437.705	18.024
BV2	269076.493	5789439.234	18.001
BV3	269060.622	5789459.294	17.579
BV4	269059.753	5789459.998	17.556
BV5	269057.989	5789457.62	17.503
BV6	269057.252	5789457.416	17.494
BV7	269052.96	5789457.943	17.508

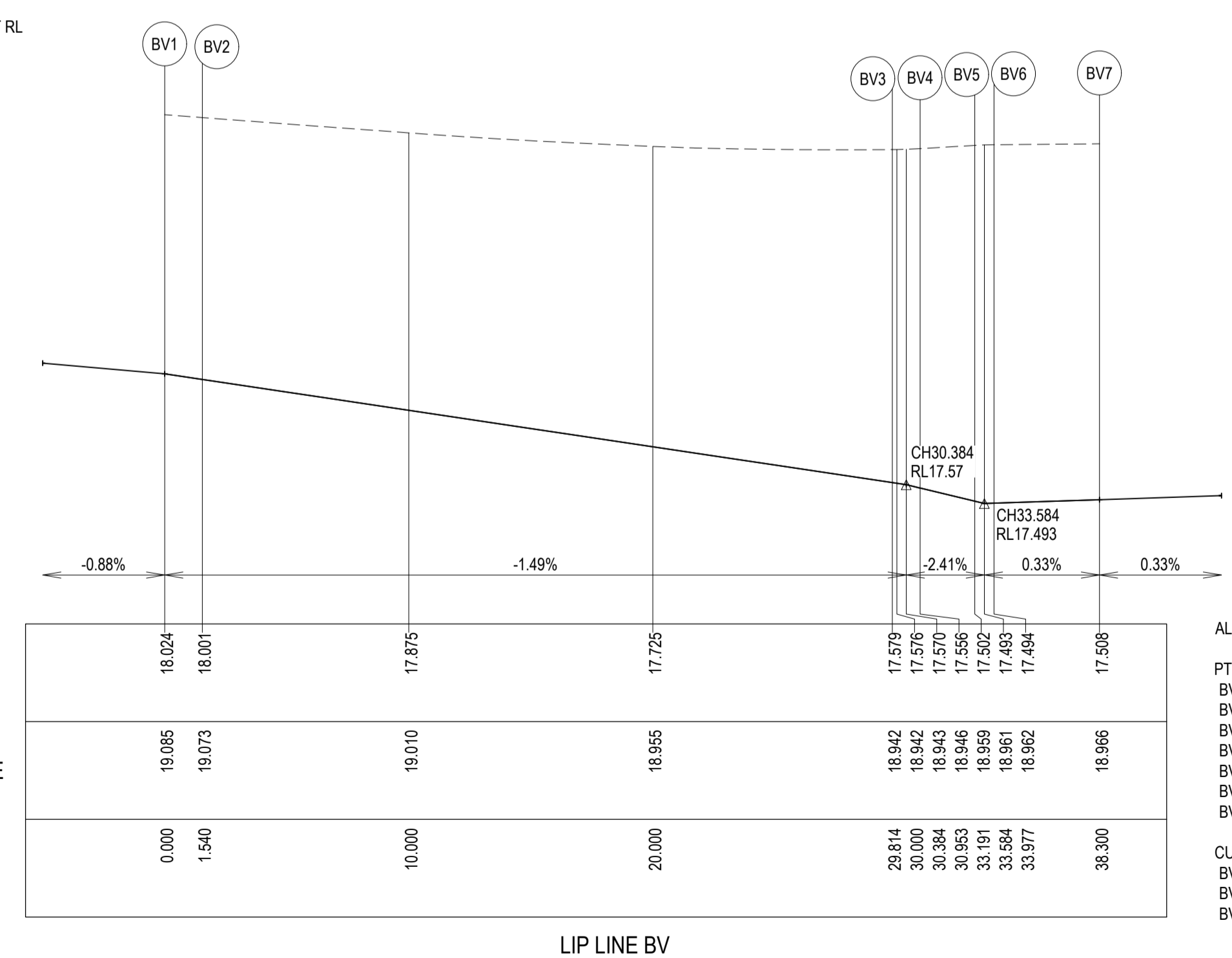
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
BV2 - BV3	90	18	28.274	5.272	3.902	6.888	5.84	7.069	17.79
BV3 - BV4	45	1.45	1.139	0.11	0.083	0.283	0.272	0.285	17.569
BV5 - BV6	45	1	0.785	0.076	0.057	0.195	0.188	0.196	17.496



ALIGNMENT AL

PT NO	EASTING	NORTHING	RL
AL1	269104.479	5789455.614	18.207
AL2	269084.047	5789436.754	18.024

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
AL1 - AL2	80	577	21.5	30.236	5.1	3.785	7.404	6.498	7.559



ALIGNMENT BV

PT NO	EASTING	NORTHING	RL
BV1	269076.306	5789437.705	18.024
BV2	269076.493	5789439.234	18.001
BV3	269060.622	5789459.294	17.579
BV4	269059.753	5789459.998	17.556
BV5	269057.989	5789457.62	17.503
BV6	269057.252	5789457.416	17.494
BV7	269052.96	5789457.943	17.508

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
BV2 - BV3	90	18	28.274	5.272	3.902	6.888	5.84	7.069	17.79
BV3 - BV4	45	1.45	1.139	0.11	0.083	0.283	0.272	0.285	17.569
BV5 - BV6	45	1	0.785	0.076	0.057	0.195	0.188	0.196	17.496

**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- ▲ INTERSECTION POINT

**LIP PROFILE SETOUT**

1:20 2 0 2 4 6 8 10 A1  
1:40 HORIZONTAL A3

1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1  
1:40 VERTICAL A3

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

**villawood properties**  
Communities Designed for Living

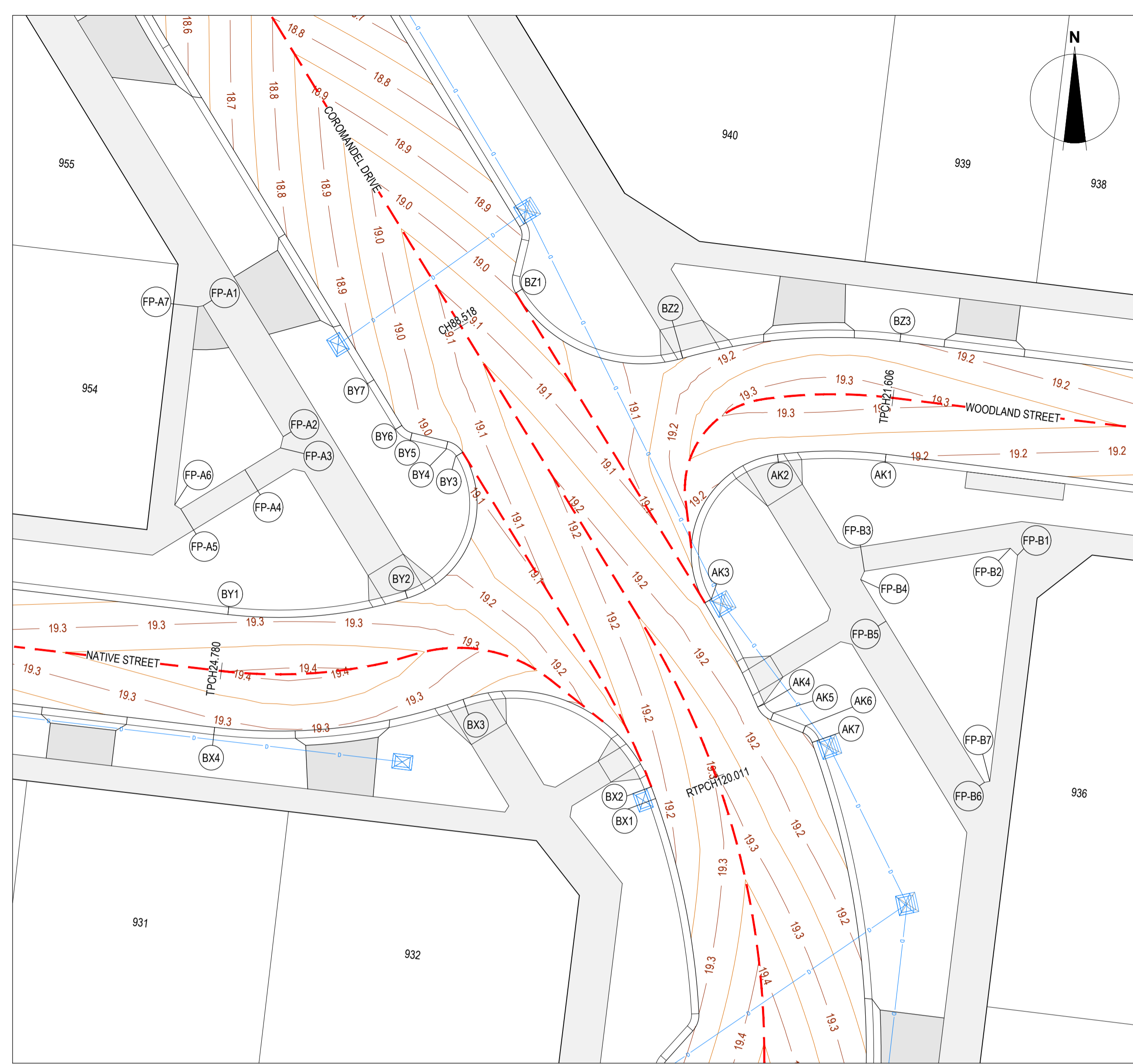
**creo CONSULTANTS**  
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**Coridale**  
LARA

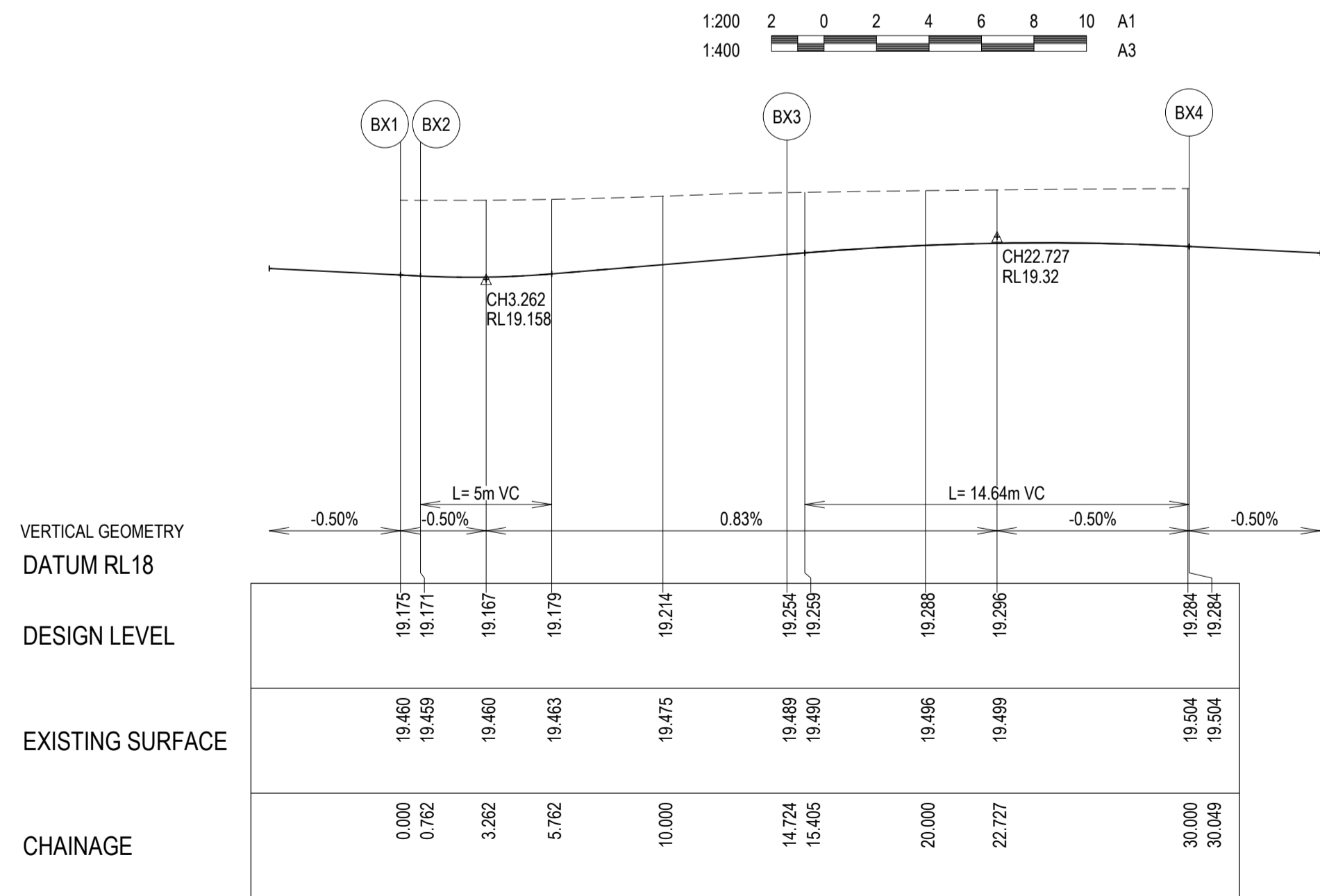
**CORIDALE ESTATE - STAGE 9A INTERSECTION DETAILS - 2**  
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
180014.9A	R301	0



**WOODLAND STREET, NATIVE STREET & COROMANDEL DRIVE INTERSECTION**



LIP LINE BX

**ALIGNMENT FP-A**

PT NO	EASTING	NORTHING	RL
FP-A1	269083.523	5789382.807	19.150
FP-A2	269088.384	5789374.853	19.250
FP-A3	269088.218	5789374.165	19.301
FP-A4	269086.056	5789372.844	19.485
FP-A5	269082.157	5789370.462	19.465
FP-A6	269081.789	5789370.698	19.468
FP-A7	269083.204	5789382.737	19.168

**ALIGNMENT FP-B**

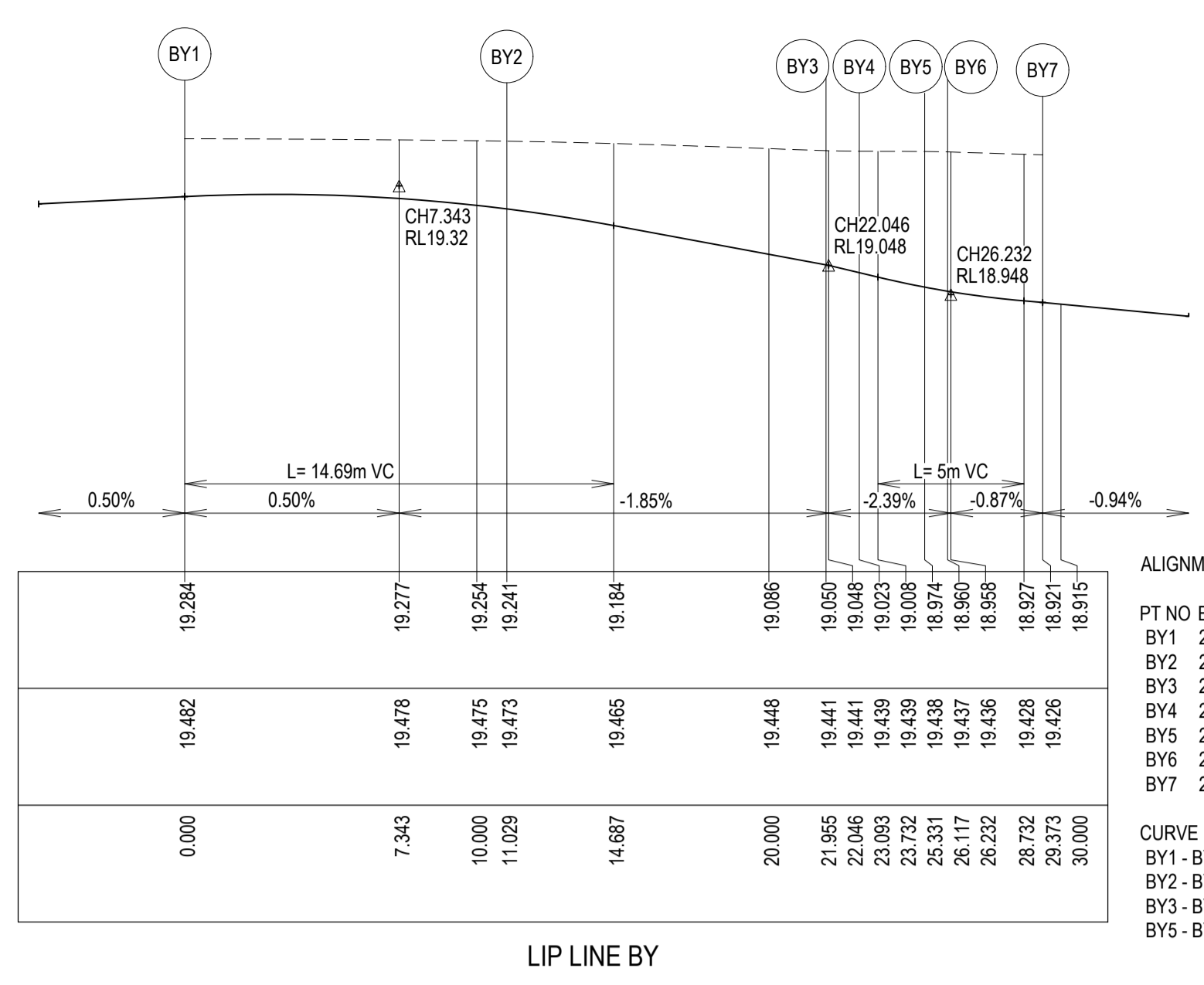
PT NO	EASTING	NORTHING	RL
FP-B1	269132.995	5789367.652	19.459
FP-B2	269132.562	5789368.07	19.444
FP-B3	269123.693	5789366.677	19.491
FP-B4	269123.46	5789366.173	19.486
FP-B5	269125.005	5789363.646	19.463
FP-B6	269130.995	5789353.842	19.587
FP-B7	269131.309	5789353.924	19.599

**ALIGNMENT BX**

PT NO	EASTING	NORTHING	RL
BX1	269110.008	5789352.873	19.175
BX2	269110.745	5789353.588	19.171
BX3	269099.313	5789358.894	19.254
BX4	269084.217	5789357.195	19.284

**CURVE DATA**

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
BX2 - BX3	88.888	9	13.962	2.575	1.906	3.404	2.898	3.491	19.196
BX3 - BX4	26.25	33.45	15.325	0.874	0.655	3.823	3.773	3.831	19.295



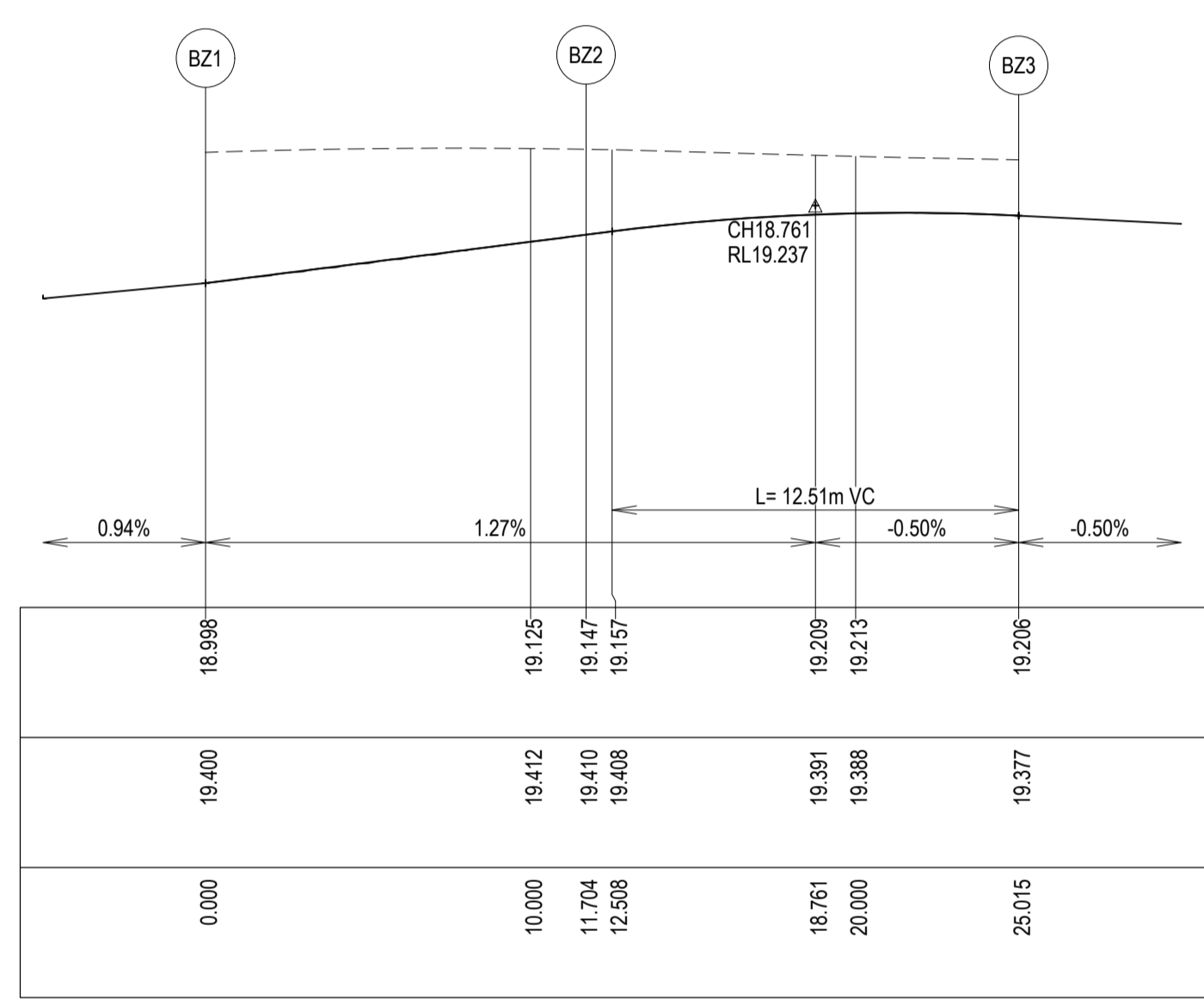
LIP LINE BY

**ALIGNMENT BY**

PT NO	EASTING	NORTHING	RL
BY1	269085.022	5789364.048	19.284
BY2	269095.928	5789365.04	19.241
BY3	269099.283	5789373.903	19.05
BY4	269098.386	5789374.557	19.023
BY5	269096.211	5789375.082	18.974
BY6	269095.592	5789375.532	18.96
BY7	269093.894	5789378.311	18.921

**CURVE DATA**

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
BY1 - BY2	23.802	26.55	11.029	0.571	0.428	2.752	2.723	2.757	19.287
BY2 - BY3	104.327	6	10.925	2.32	1.709	2.638	2.101	2.731	19.151
BY3 - BY4	45	1.45	1.139	0.11	0.083	0.283	0.272	0.285	19.037
BY5 - BY6	45	1	0.785	0.076	0.057	0.195	0.188	0.196	18.966



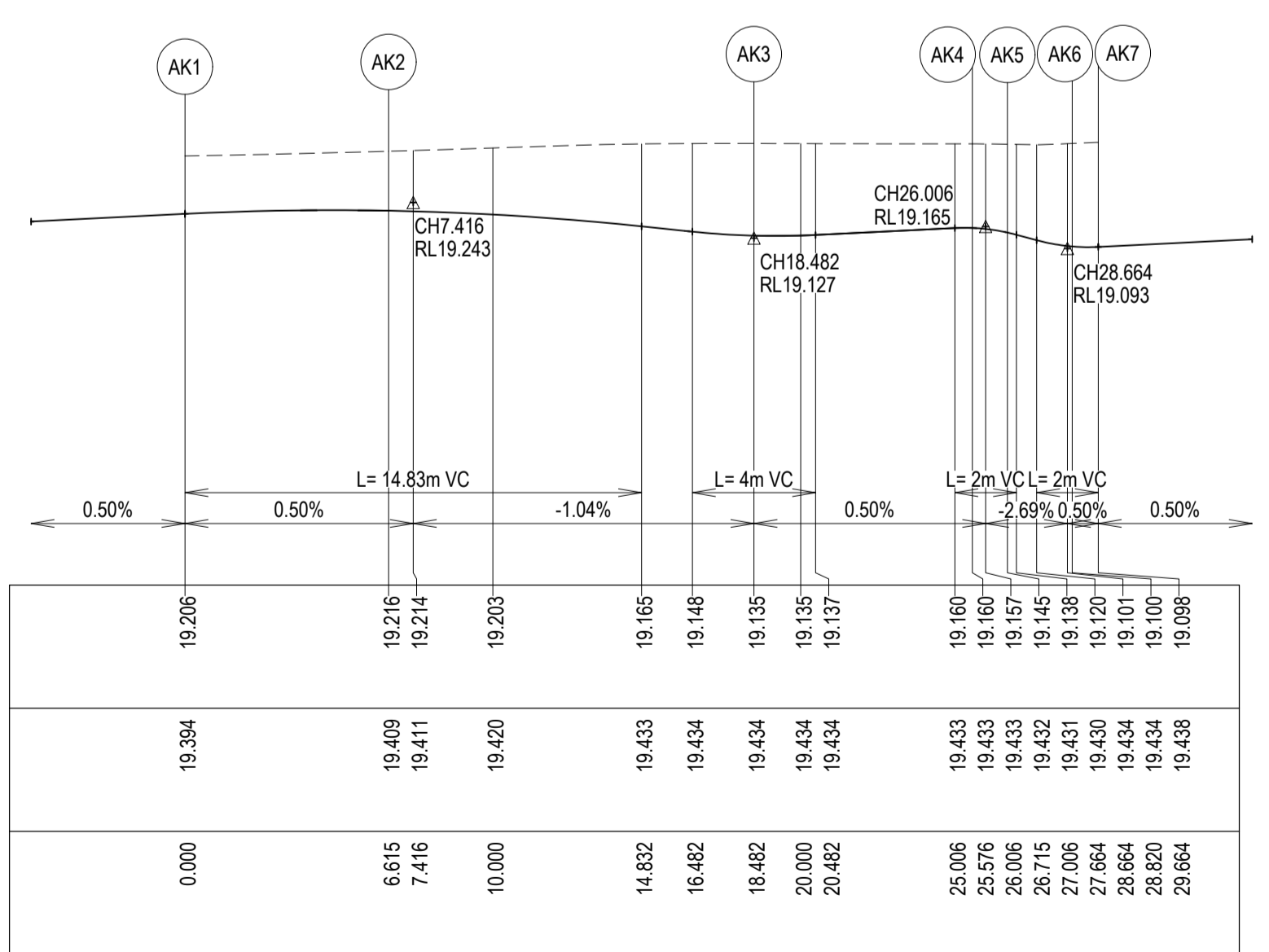
LIP LINE BZ

**ALIGNMENT BZ**

PT NO	EASTING	NORTHING	RL
BZ1	269102.513	5789383.577	18.998
BZ2	269112.664	5789379.616	19.147
BZ3	269125.848	5789380.63	19.206

**CURVE DATA**

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
BZ1 - BZ2	74.509	9	11.704	1.836	1.365	2.875	2.574	2.926	19.072
BZ2 - BZ3	22.8	33.45	13.311	0.66	0.495	3.322	3.289	3.328	19.207



LIP LINE AK

**ALIGNMENT AK**

PT NO	EASTING	NORTHING	RL
AK1	269125.007	5789373.781	19.206
AK2	269118.41	5789373.786	19.216
AK3	269114.004	5789364.76	19.135
AK4	269117.204	5789358.434	19.160
AK5	269117.996	5789357.657	19.145
AK6	269119.948	5789356.87	19.100
AK7	269120.516	5789356.28	19.098

**CURVE DATA**

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
AK1 - AK2	14.275	26.55	6.615	0.206	0.154	1.653	1.646	1.654	19.216
AK2 - AK3	113.327	6	11.868	2.703	1.984	2.847	2.165	2.967	19.186
AK3 - AK4	7.541	53.9	7.094	0.117	0.087	1.773	1.771	1.774	19.145
AK4 - AK5	45	1.45	1.139	0.11	0.083	0.283	0.272	0.285	19.155
AK6 - AK7	48.345	1	0.844	0.088	0.066	0.209	0.2	0.211	19.098

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

**GREATER GEELONG CITY COUNCIL**  
**PLANNING ENVIRONMENT ACT 1987**  
**GREATER GEELONG PLANNING SCHEME**

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 7 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

**WARNING**  
**BWARE OF UNDERGROUND & OVERHEAD SERVICES**

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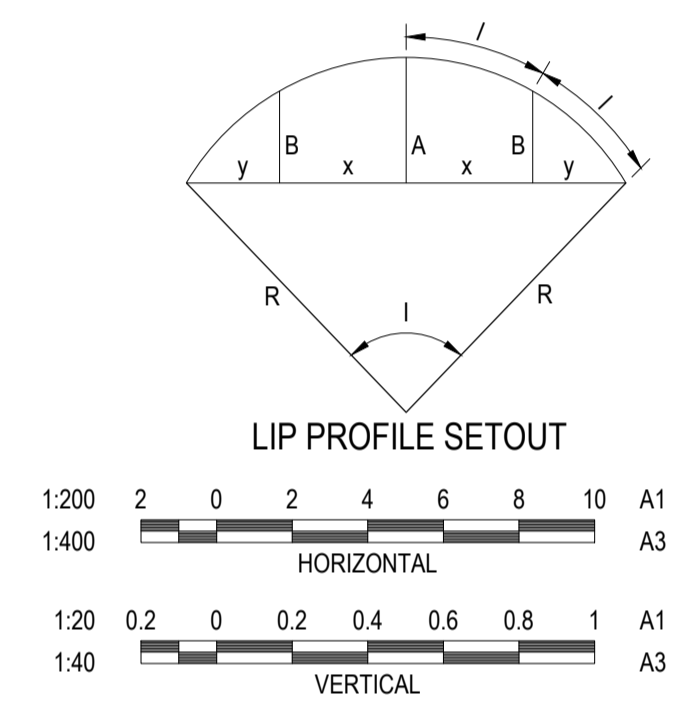
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**LEGEND - INTERSECTION PLAN**

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

**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- INTERSECTION POINT



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

**villawood properties**  
 Communities Designed for Living

**creo CONSULTANTS**  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**Coridale**  
 LARA

**CORIDALE ESTATE - STAGE 9A**  
**INTERSECTION DETAILS - 3**

PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R302</b>	<b>0</b>

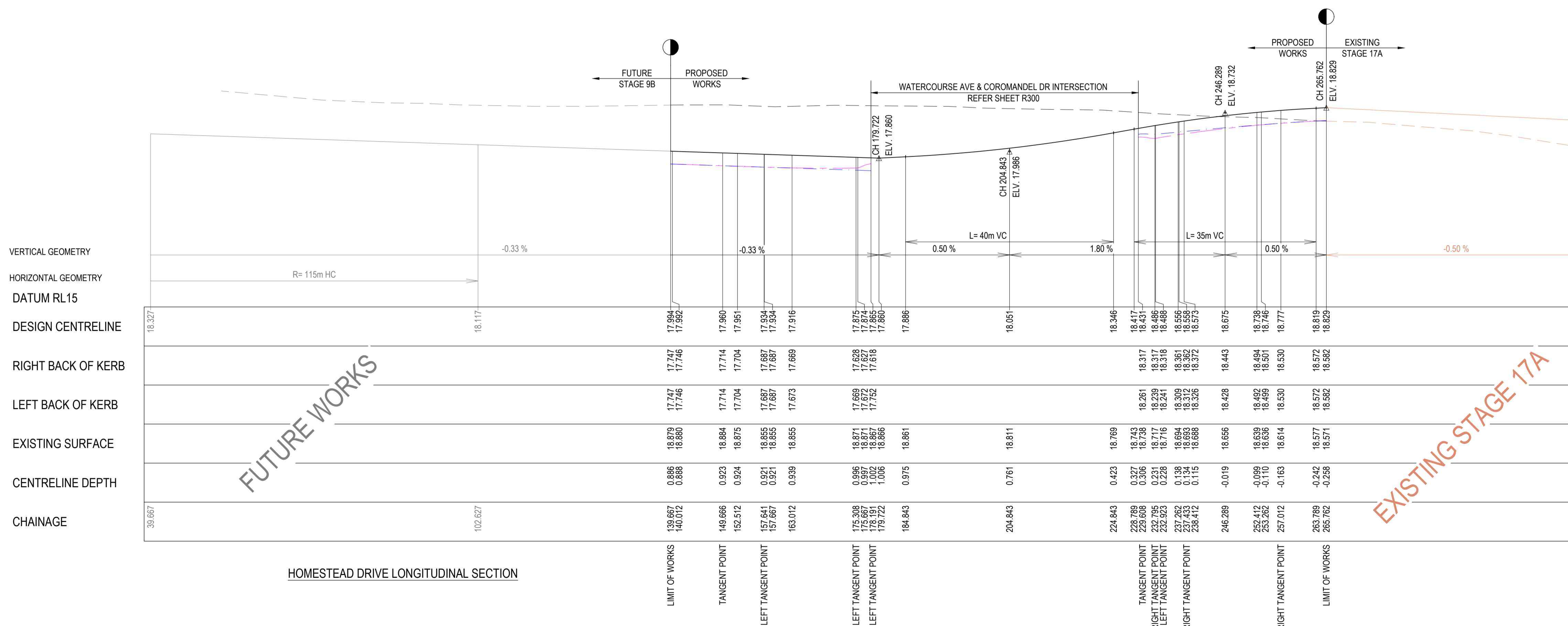
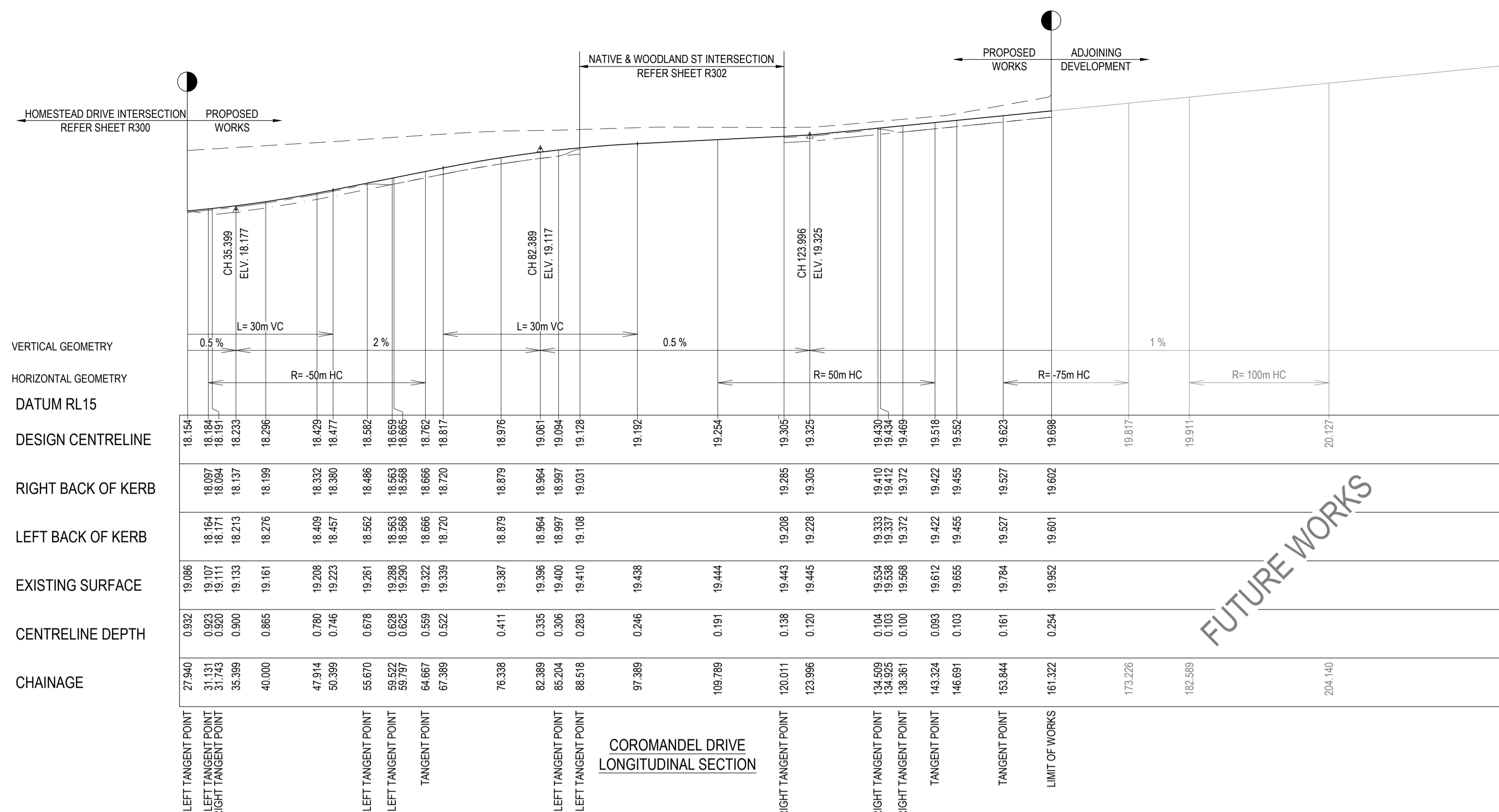
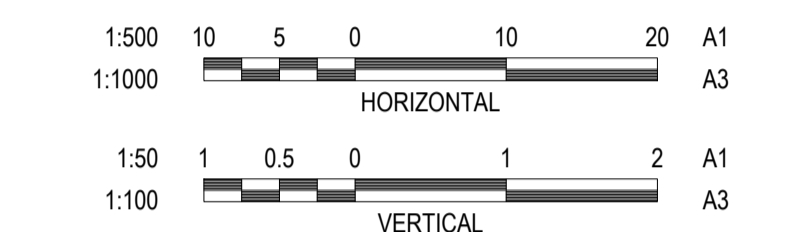
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**LEGEND**

	EXISTING SURFACE
	DESIGN LINE
	LEFT BACK OF KERB
	RIGHT BACK OF KERB
	INTERSECTION POINT



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

PROJECT

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
ROAD LONGITUDINAL SECTIONS - 1**

PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R400</b>	<b>0</b>



**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**

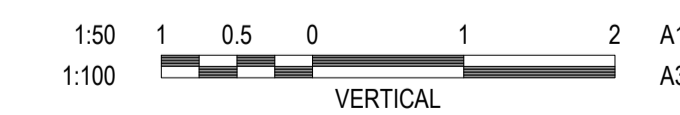
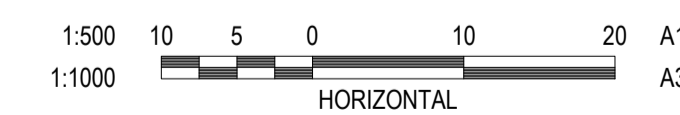
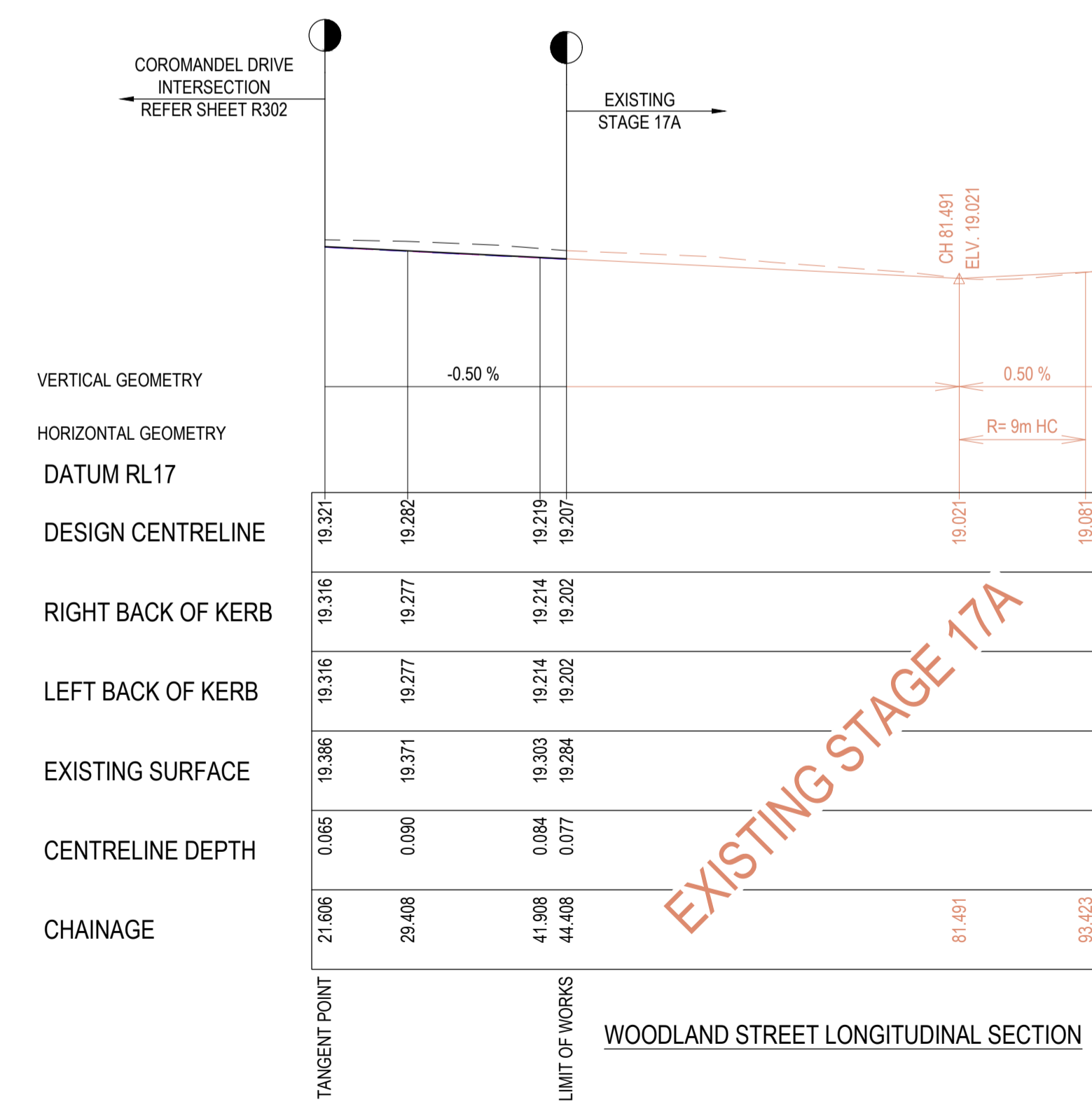
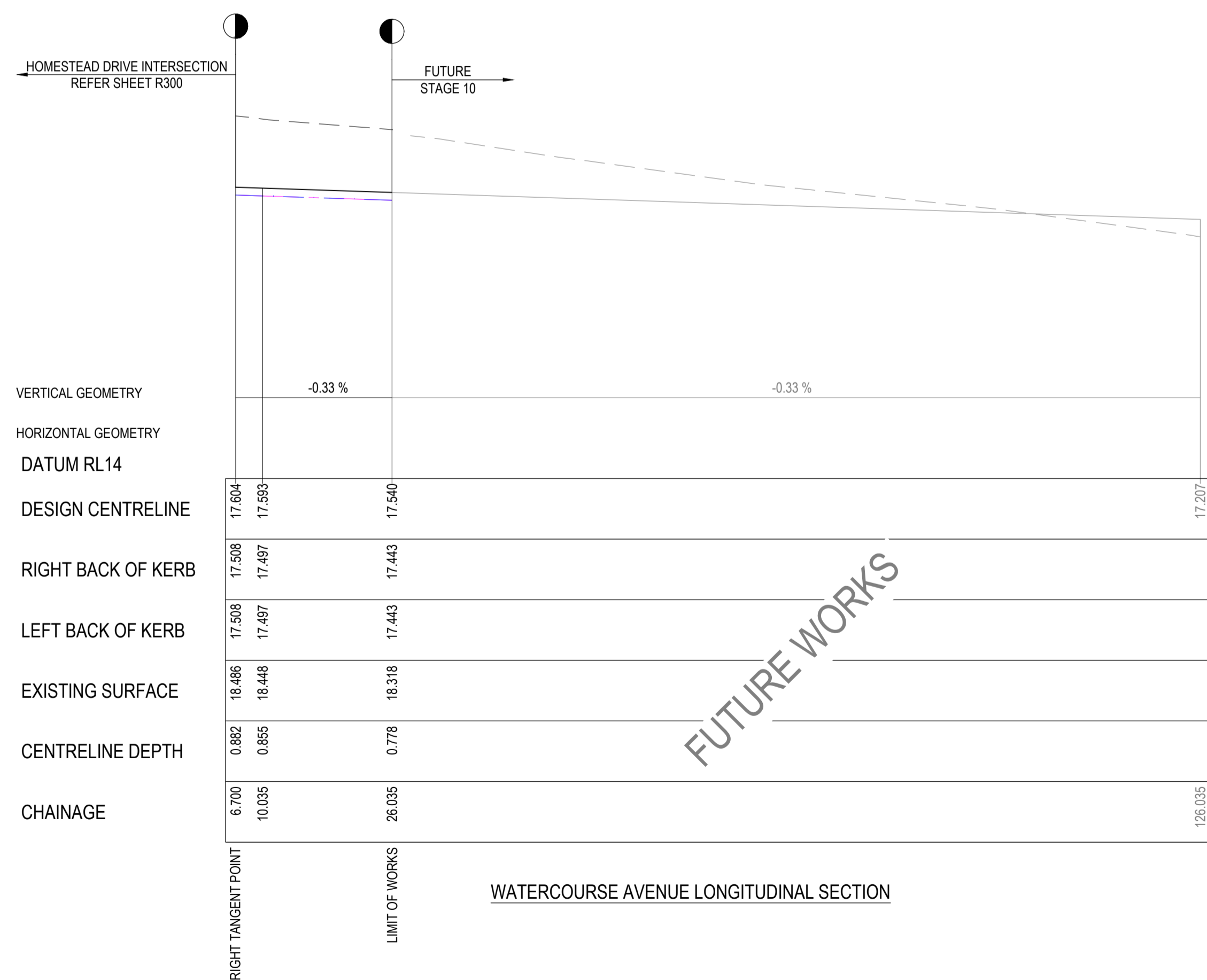
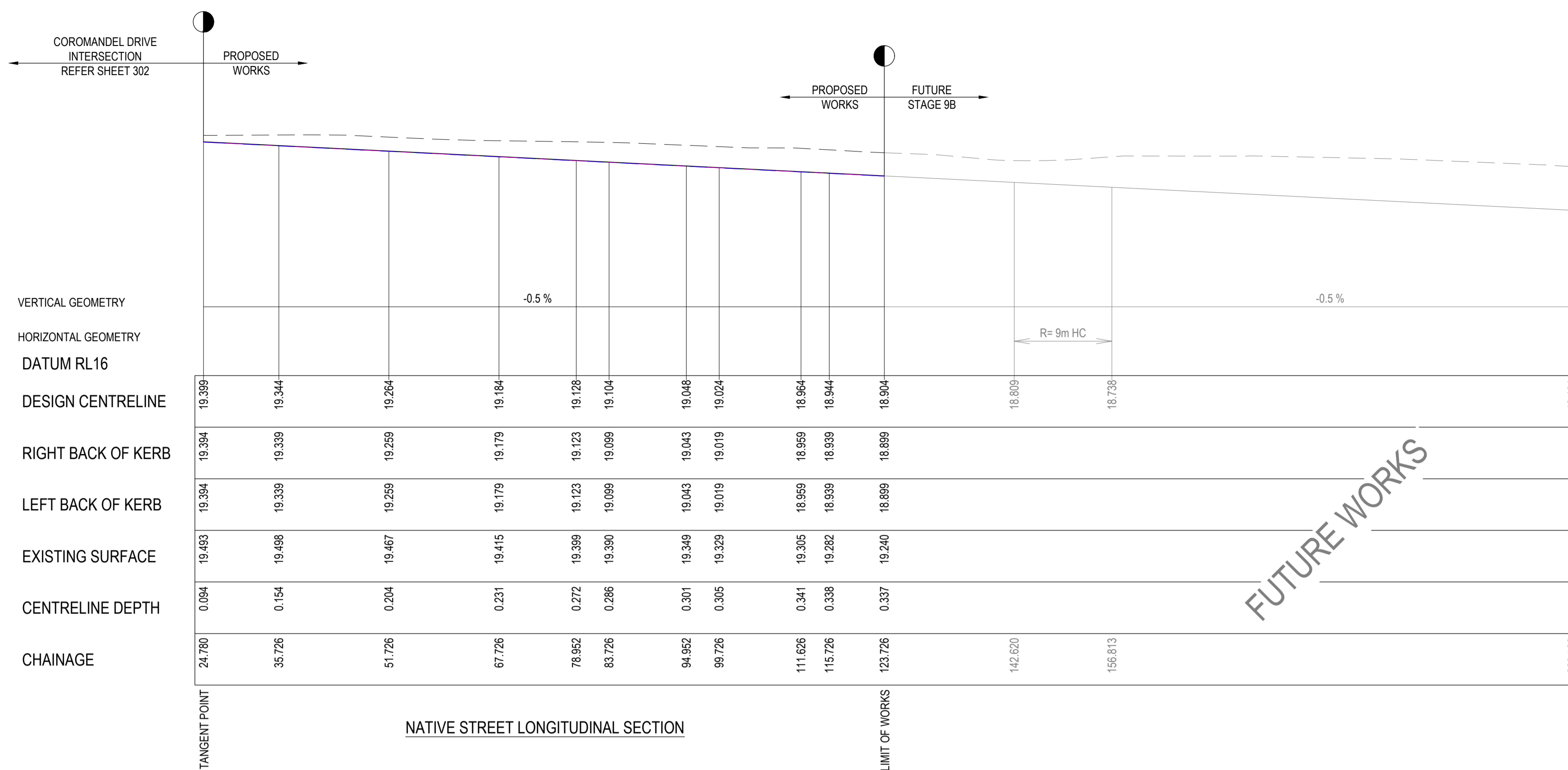
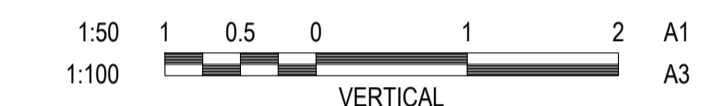
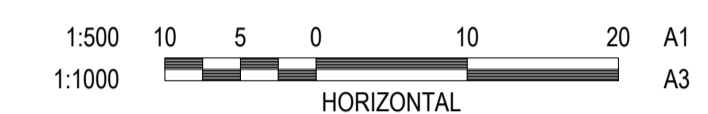
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**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- LEFT BACK OF KERB
- RIGHT BACK OF KERB
- ▲ INTERSECTION POINT



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

CLIENT

Communities Designed for Living

CLIENT

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

PROJECT

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
ROAD LONGITUDINAL SECTIONS - 2**

PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR  
CONSTRUCTION**

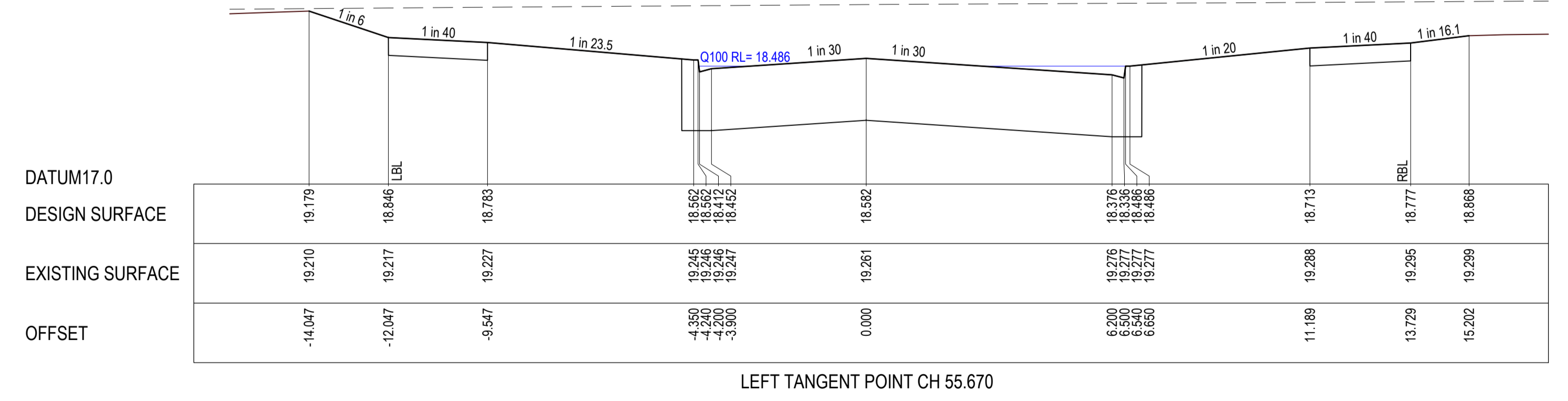
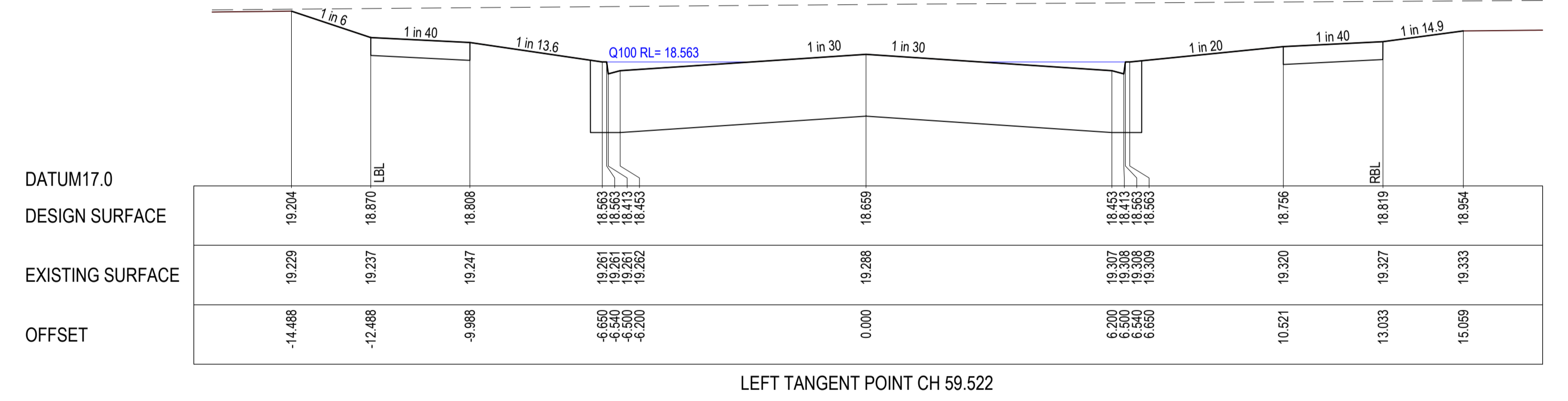
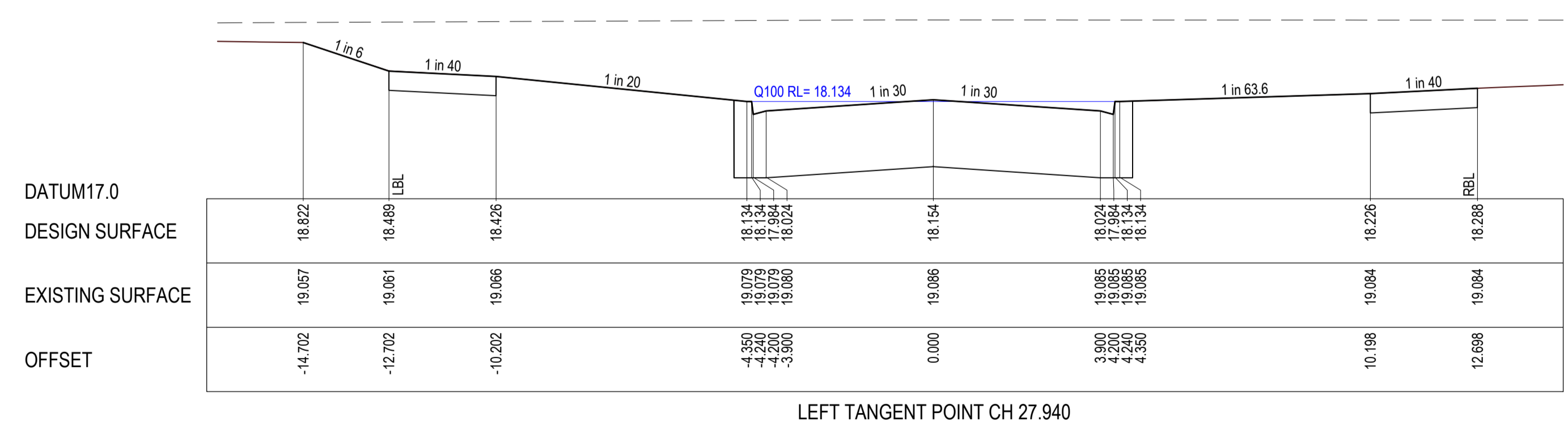
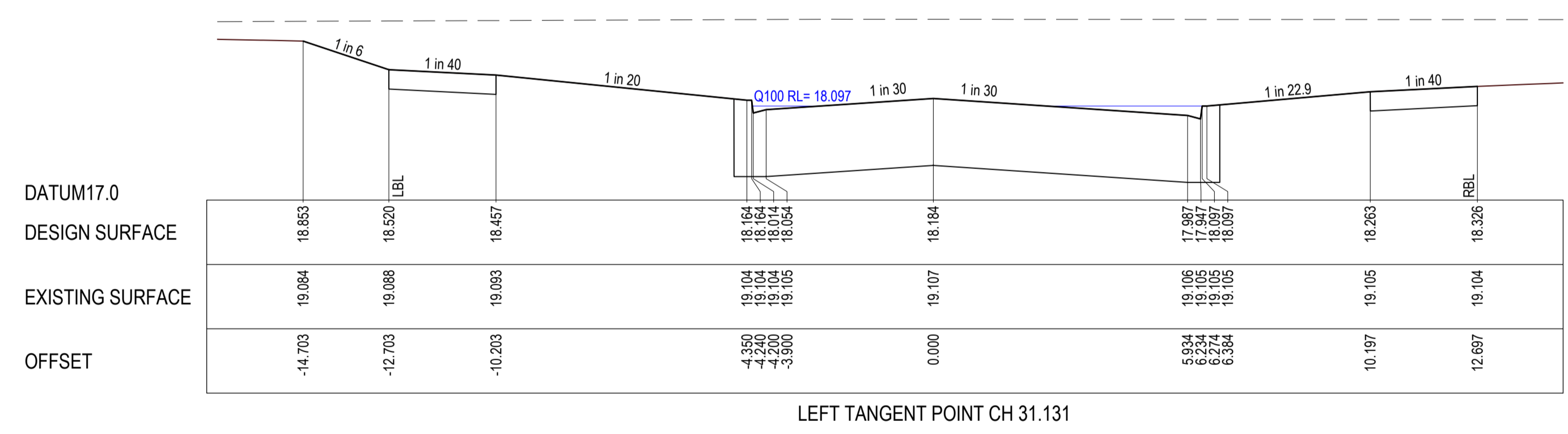
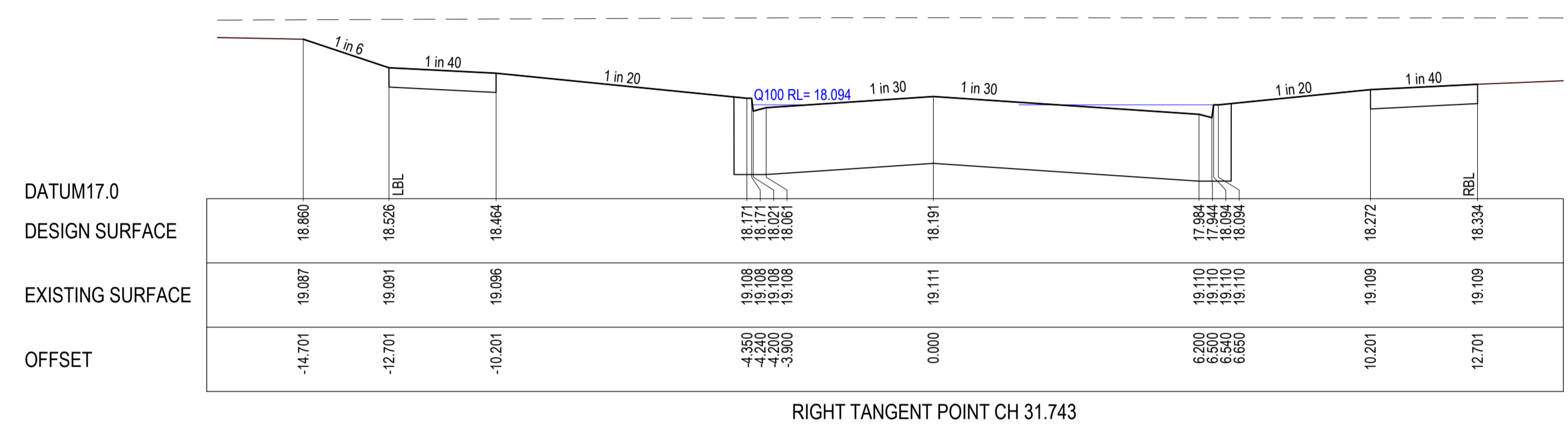
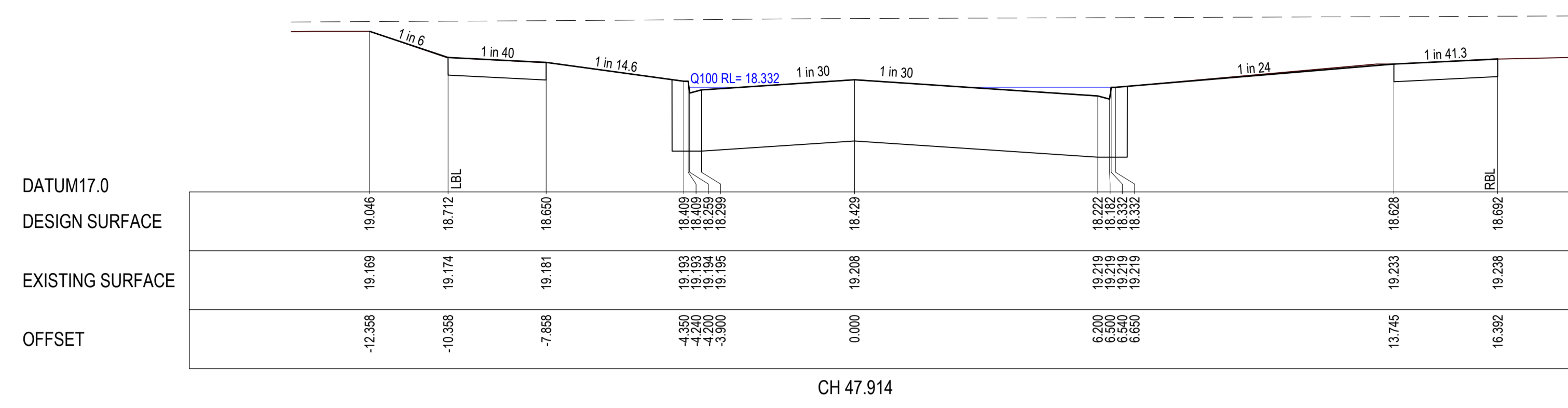
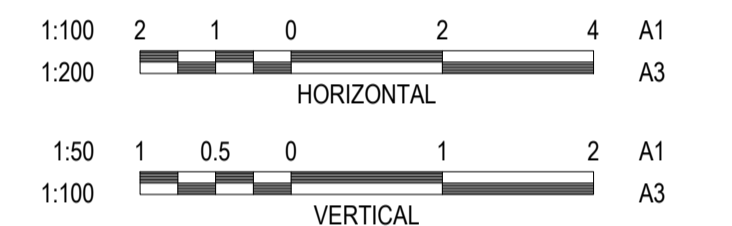
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R401</b>	<b>0</b>

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**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

**NOTE:**  
\*SELECT FILL\* EXTENDING 200mm BELOW NATURAL SURFACE REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL IS TO BE TO LEVEL 1 STANDARD AND IN ACCORDANCE WITH SECTION 7.4 OF "REPORT ON GEOTECHNICAL INVESTIGATION CORIDALE ESTATE" PREPARED BY DOUGLAS PARTNERS (FILE NAME: 87082.00.R.001.REV0, DATED 17/01/2020).

**LEGEND**

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



P:\2018\18014\_205-245 CHALCOWNS RD\_LARA\18014\_S&C\CIVIL\2\_DRAFTING\CAD\18014\_9A\_R500-ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

**villawood**  
properties  
Communities Designed for Living

**creo**  
CONSULTANTS  
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**Coridale**  
LARA

**CORIDALE ESTATE - STAGE 9A**  
**ROAD CROSS SECTIONS - 1**  
**COROMANDEL DRIVE - SHEET 1**  
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R500</b>	<b>0</b>



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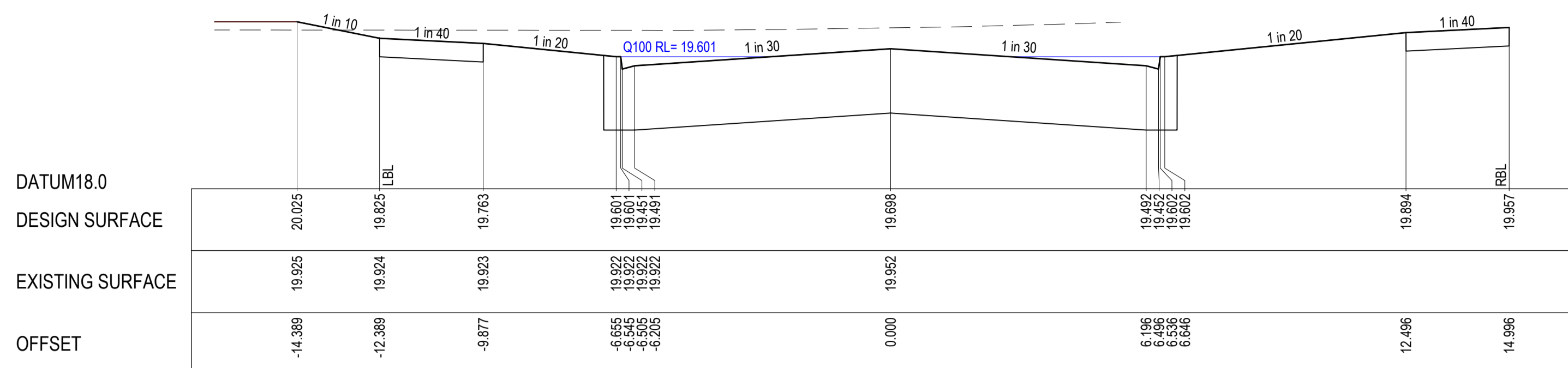
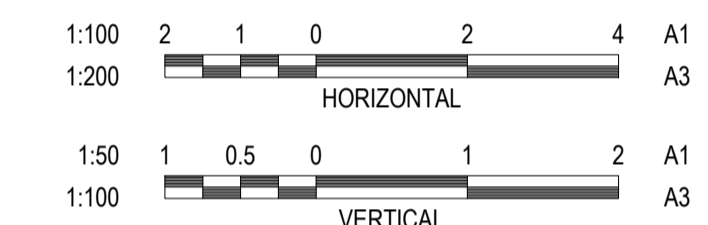
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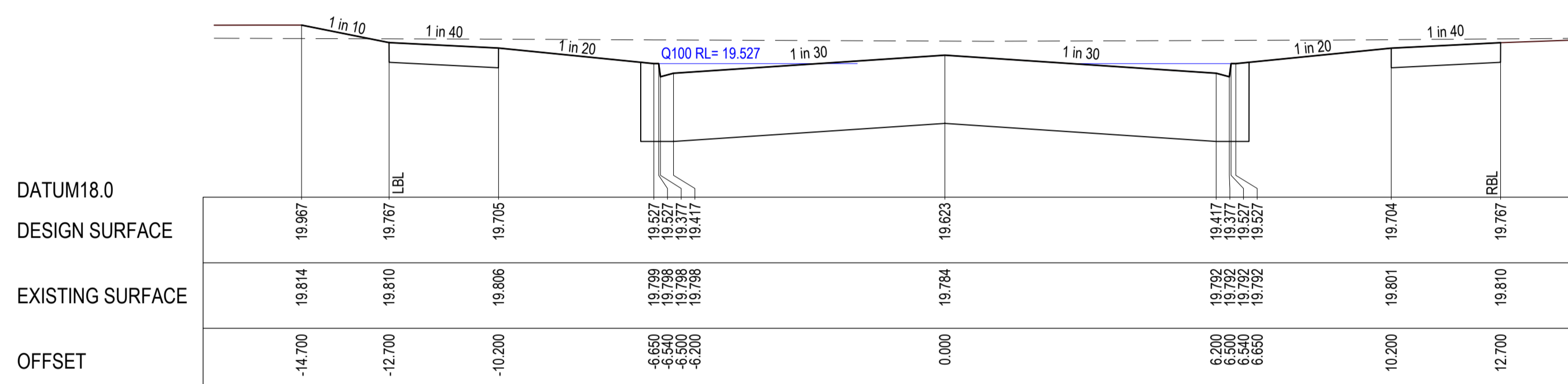
**NOTE:**

"SELECT FILL" EXTENDING 200mm BELOW NATURAL SURFACE REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL IS TO BE TO LEVEL 1 STANDARD AND IN ACCORDANCE WITH SECTION 7.4 OF "REPORT ON GEOTECHNICAL INVESTIGATION CORIDALE ESTATE" PREPARED BY DOUGLAS PARTNERS (FILE NAME: 87082.00.R.001.REV0, DATED 17/01/2020).

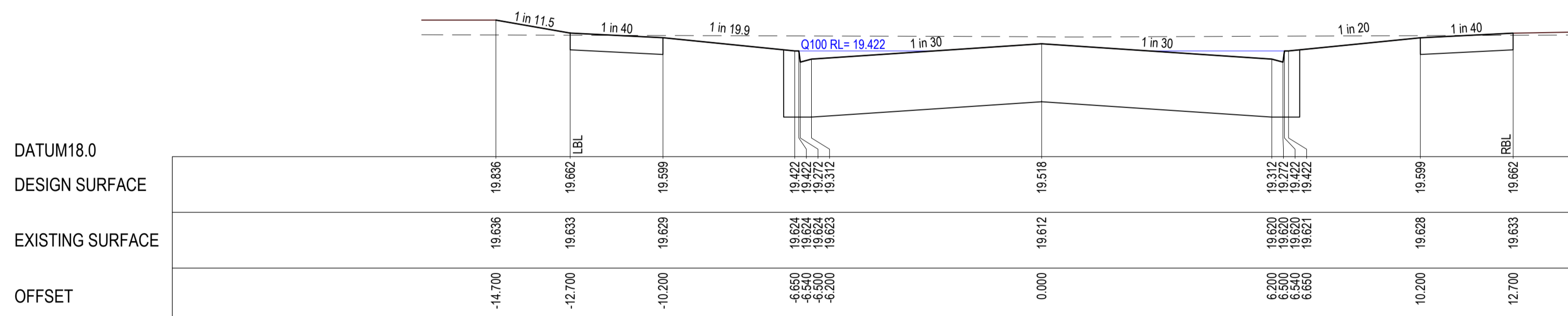
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	Q100 LEVEL
	SELECT FILL



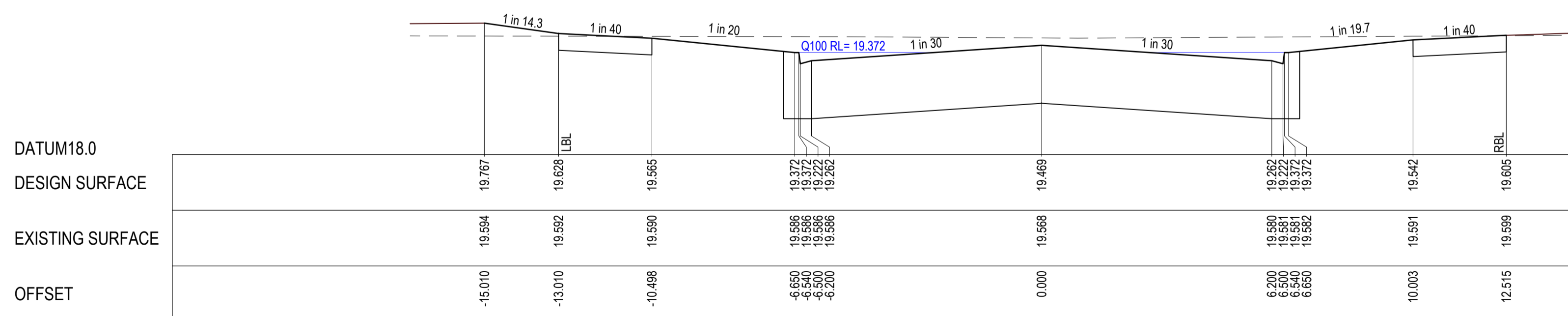
LIMIT OF WORKS CH 161.322



TANGENT POINT CH 153.844



TANGENT POINT CH 143.324



RIGHT TANGENT POINT CH 138.361

P:\2018\18014\_205-245 CHALLOANS RD\_LARA\18014\_245\CIVIL\2\_DRAFTING\CAD\18014\_9A\_1500 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

PROJECT

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
ROAD CROSS SECTIONS - 3  
COROMANDEL DRIVE - SHEET 3**

PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR  
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R502</b>	<b>0</b>

**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**

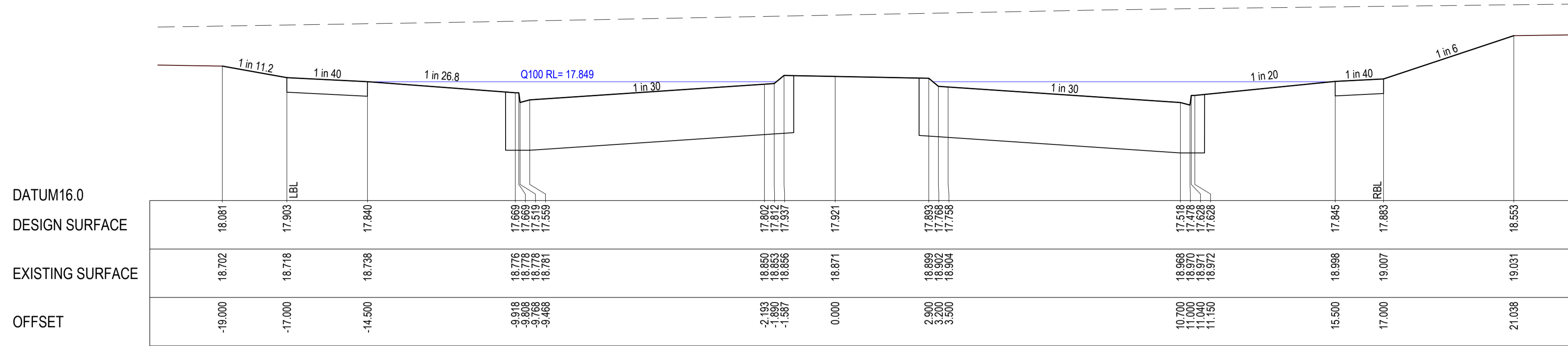
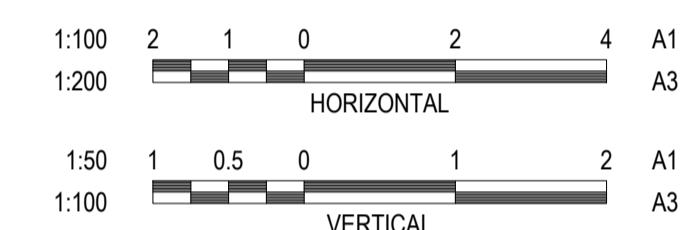
www.1100.com.au

**NOTE:**

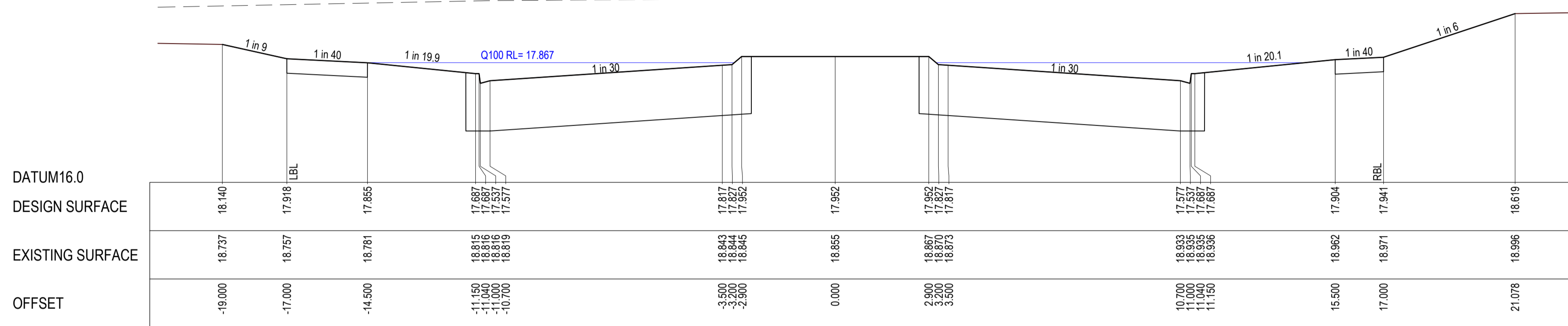
"SELECT FILL" EXTENDING 200mm BELOW NATURAL SURFACE REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL IS TO BE TO LEVEL 1 STANDARD AND IN ACCORDANCE WITH SECTION 7.4 OF "REPORT ON GEOTECHNICAL INVESTIGATION CORIDALE ESTATE" PREPARED BY DOUGLAS PARTNERS (FILE NAME: 87082.00.R.001.REV0, DATED 17/01/2020).

**LEGEND**

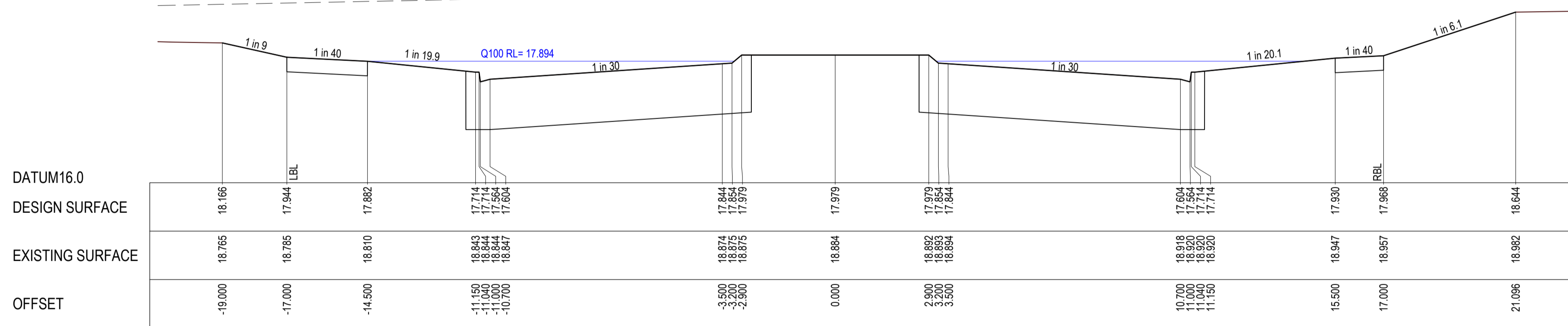
- EXISTING SURFACE
- DESIGN LINE
- Q100 LEVEL
- ▨ SELECT FILL



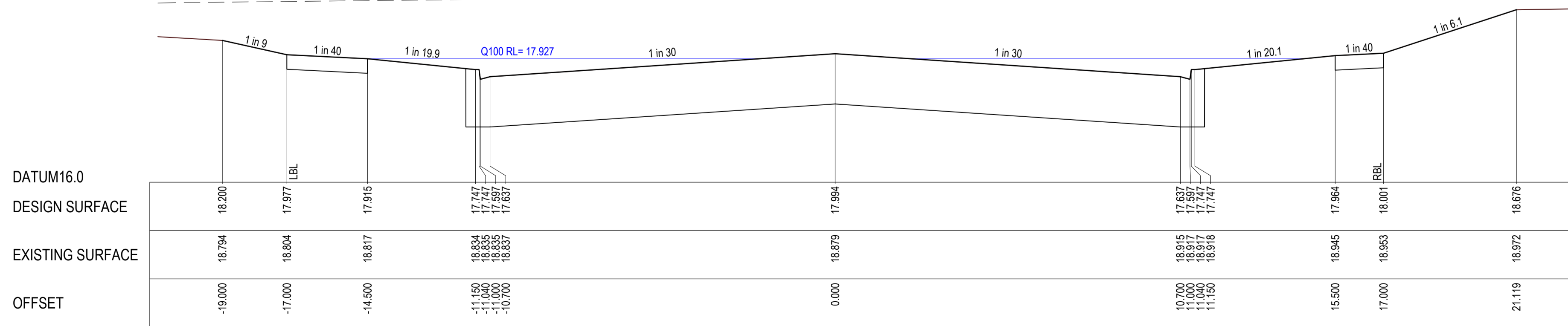
LEFT TANGENT POINT CH 175.308



LEFT TANGENT POINT CH 157.641



TANGENT POINT CH 149.666



LIMIT OF WORKS CH 139.667

P:\2018\18014\_205-245 CHALLOANS RD\_LARA\18014\_9A-5030-ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

**villawood properties**  
Communities Designed for Living

**creo CONSULTANTS**  
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**Coridale**  
LARA

**CORIDALE ESTATE - STAGE 9A  
ROAD CROSS SECTIONS - 4  
HOMESTEAD DRIVE - SHEET 1**  
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R503</b>	<b>0</b>

**WARNING**  
**BWARE OF UNDERGROUND & OVERHEAD SERVICES**

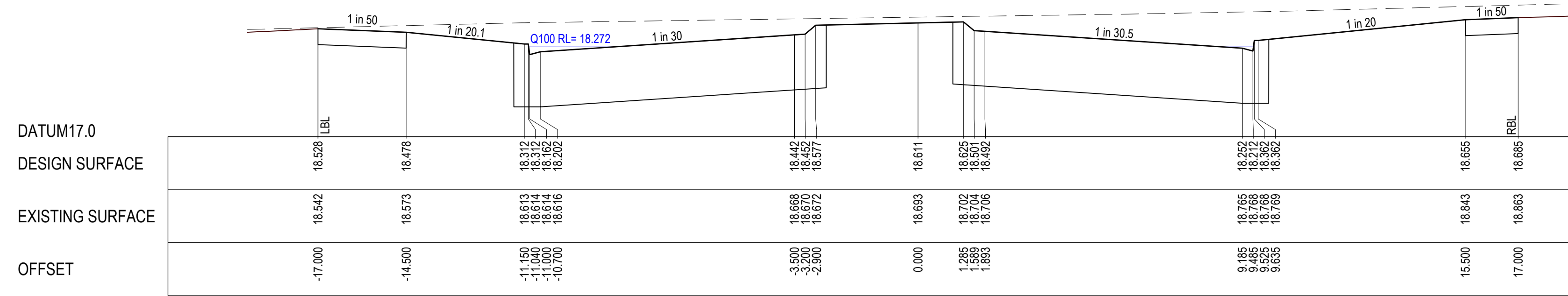
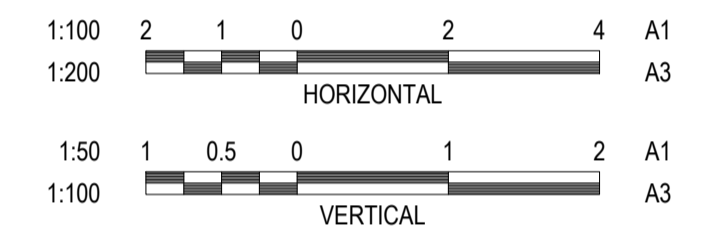
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works

**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

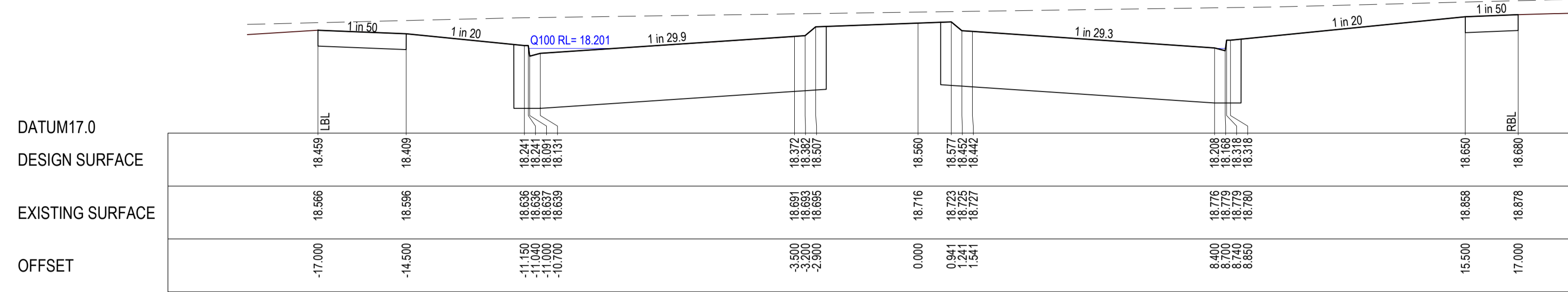
**NOTE:**  
\*SELECT FILL\* EXTENDING 200mm BELOW NATURAL SURFACE REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL IS TO BE TO LEVEL 1 STANDARD AND IN ACCORDANCE WITH SECTION 7.4 OF "REPORT ON GEOTECHNICAL INVESTIGATION CORIDALE ESTATE" PREPARED BY DOUGLAS PARTNERS (FILE NAME: 87082.00.R.001.REV0, DATED 17/01/2020).

**LEGEND**

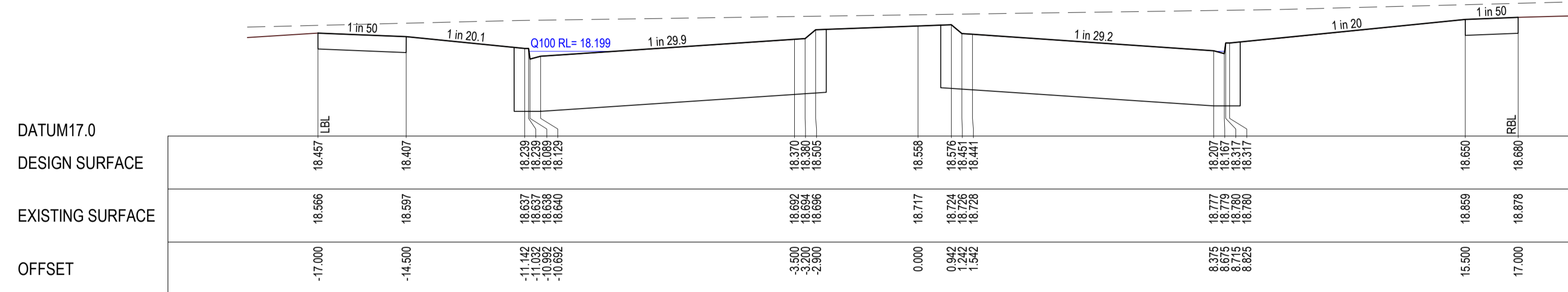
- EXISTING SURFACE
- DESIGN LINE
- Q100 LEVEL
- ▨ SELECT FILL



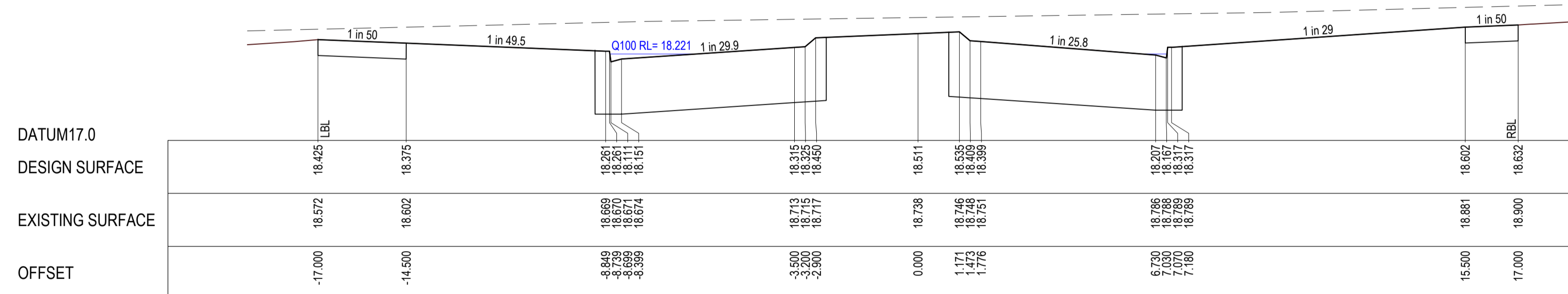
RIGHT TANGENT POINT CH 237.433



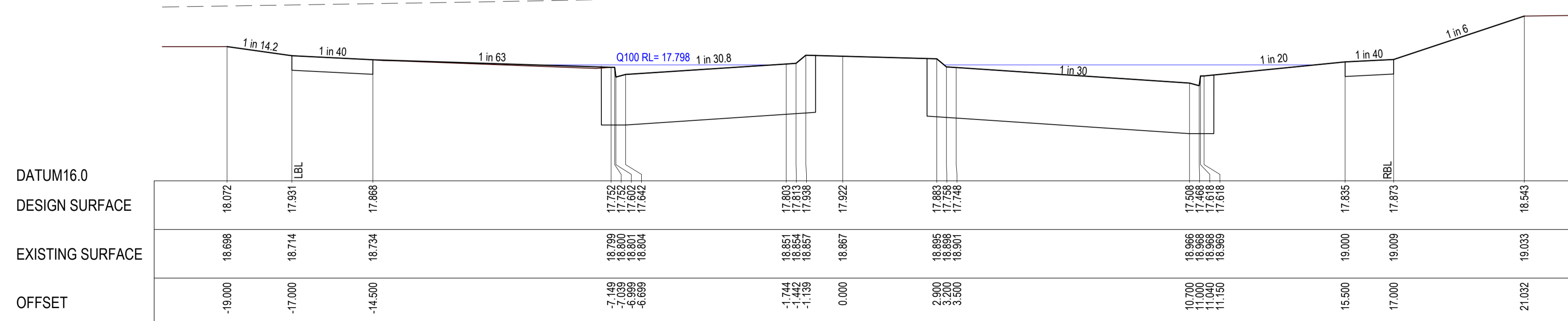
LEFT TANGENT POINT CH 232.923



RIGHT TANGENT POINT CH 232.795



TANGENT POINT CH 229.608



LEFT TANGENT POINT CH 178.191

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

**villawood**  
properties  
Communities Designed for Living

**creo**  
CONSULTANTS  
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**Coridale**  
LARA

**CORIDALE ESTATE - STAGE 9A**  
**ROAD CROSS SECTIONS - 5**  
**HOMESTEAD DRIVE - SHEET 2**  
  
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R504</b>	<b>0</b>

P:\2018\180014\_205-245 CHALLOWAYS RD\_LARA\18014\_S\DWG\12\_DRAFTING\CADD\18014\_9A\_15001 - ROAD CROSS SECTIONS.DWG

**WARNING**  
**BWARE OF UNDERGROUND & OVERHEAD SERVICES**

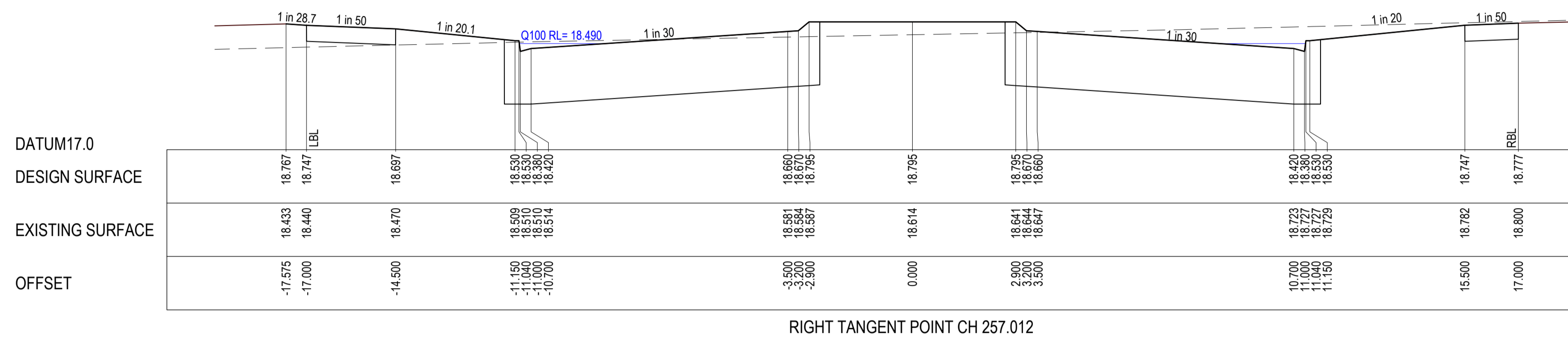
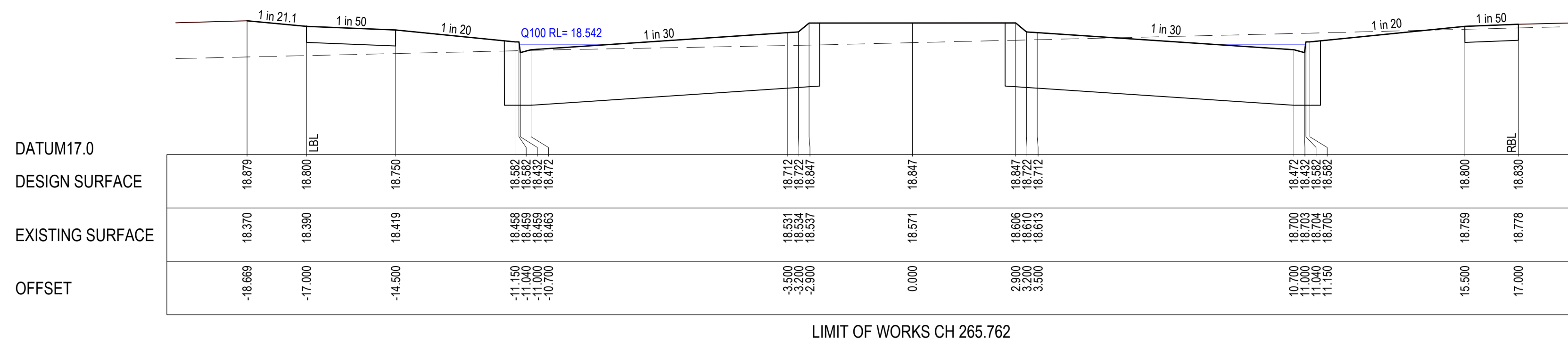
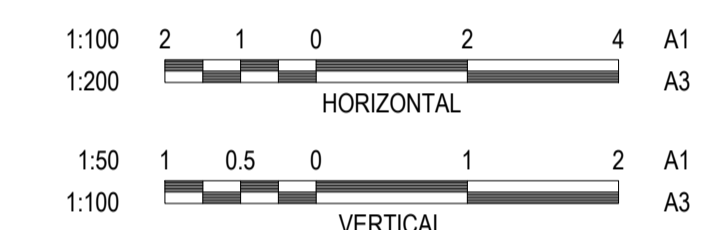
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works

**DIAL 1100 BEFORE YOU DIG**

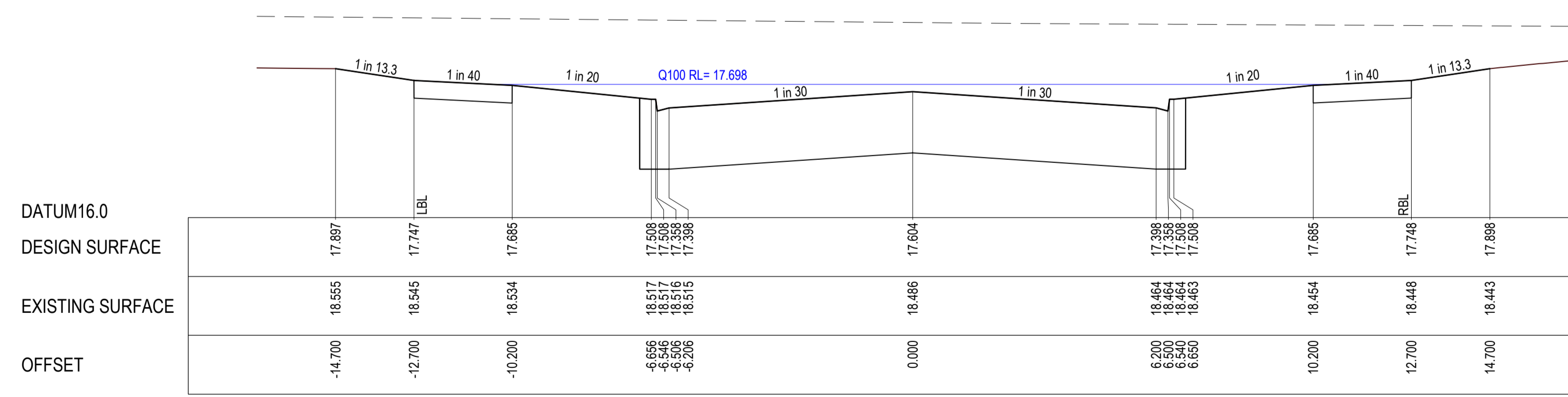
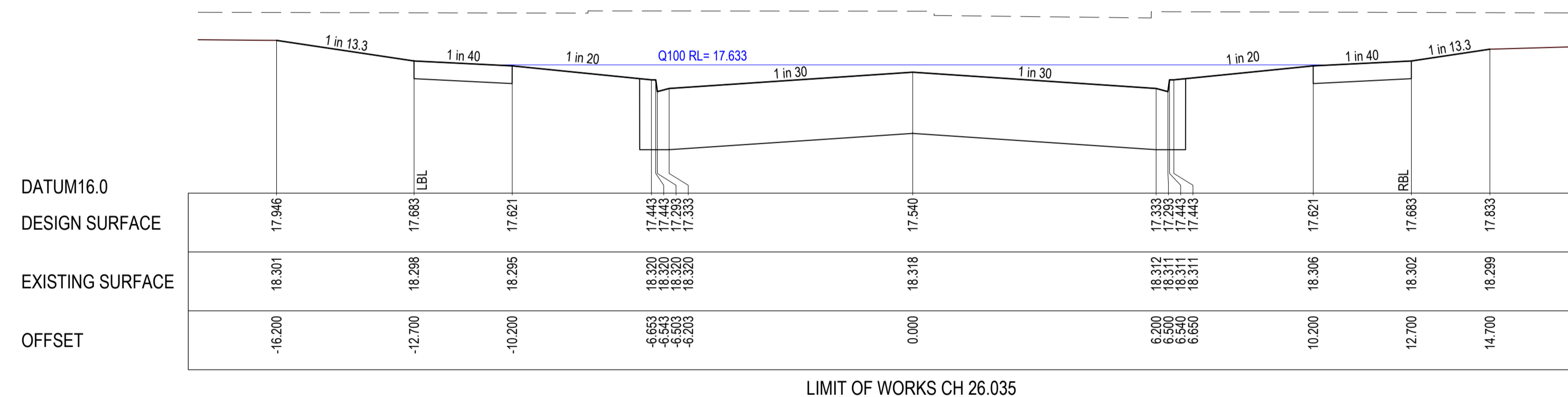
www.1100.com.au

**NOTE:**  
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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	Q100 LEVEL
	SELECT FILL



**HOMESTEAD DRIVE (CONT.)**



**WATERCOURSE AVENUE**

P:\2018\18014\_205-245 CHALLENGERS RD\_LARA\18014\_9A-R505-ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

**villawood properties**  
Communities Designed for Living

**creo CONSULTANTS**  
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**Coridale**  
LARA

**CORIDALE ESTATE - STAGE 9A  
ROAD CROSS SECTIONS - 6  
HOMESTEAD DRIVE - SHEET 3 &  
WATERCOURSE AVE**  
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

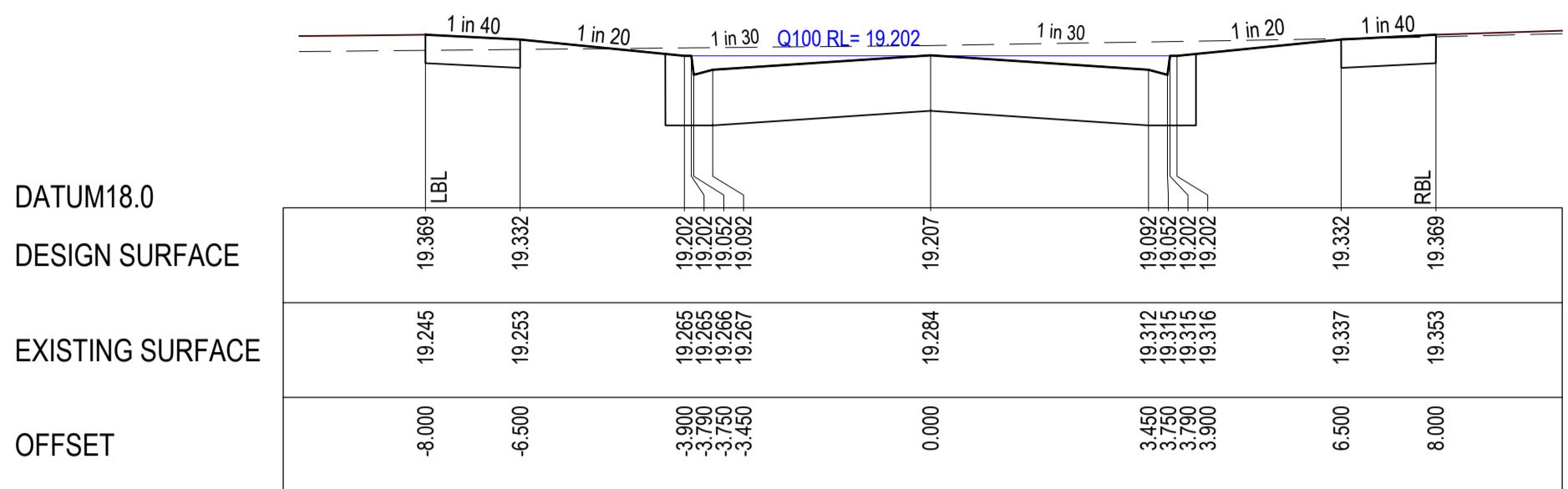
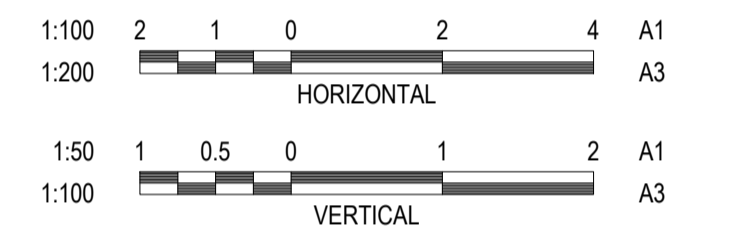
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R505</b>	<b>0</b>

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**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

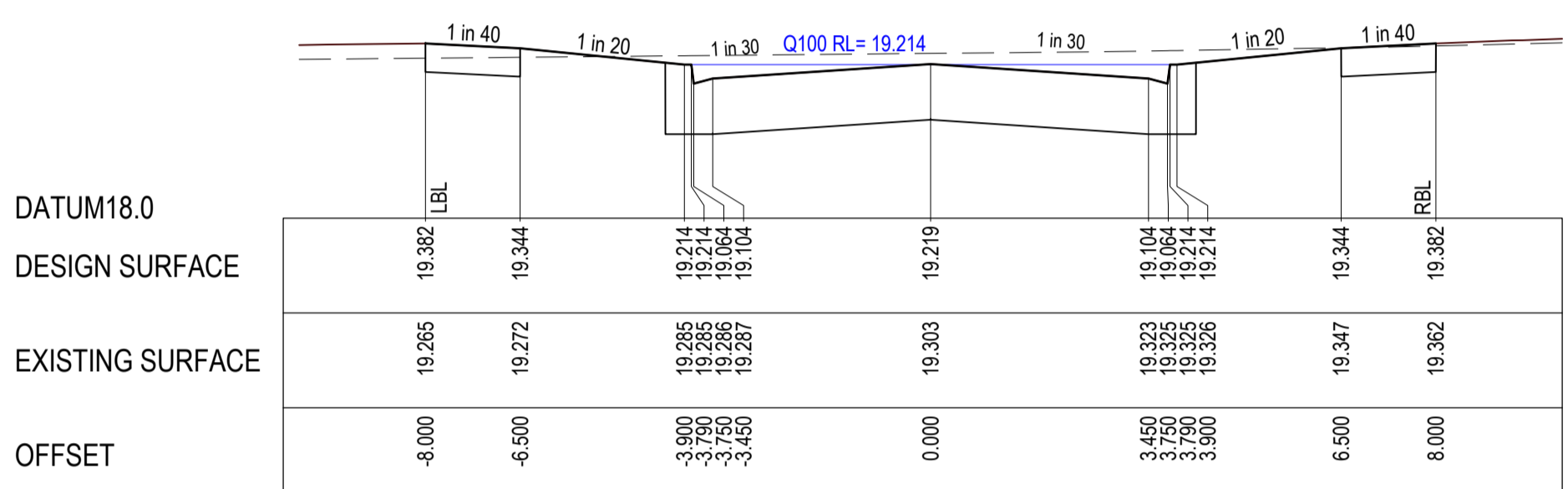
**NOTE:**  
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**LEGEND**

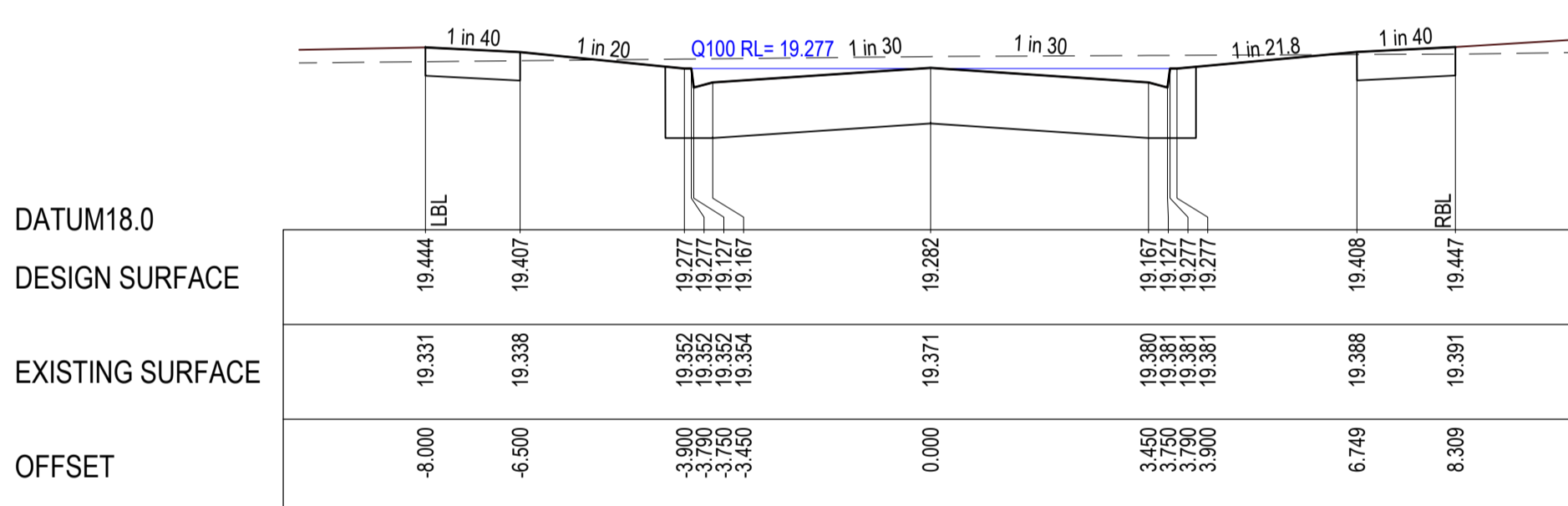
- EXISTING SURFACE
- DESIGN LINE
- Q100 LEVEL
- ▨ SELECT FILL



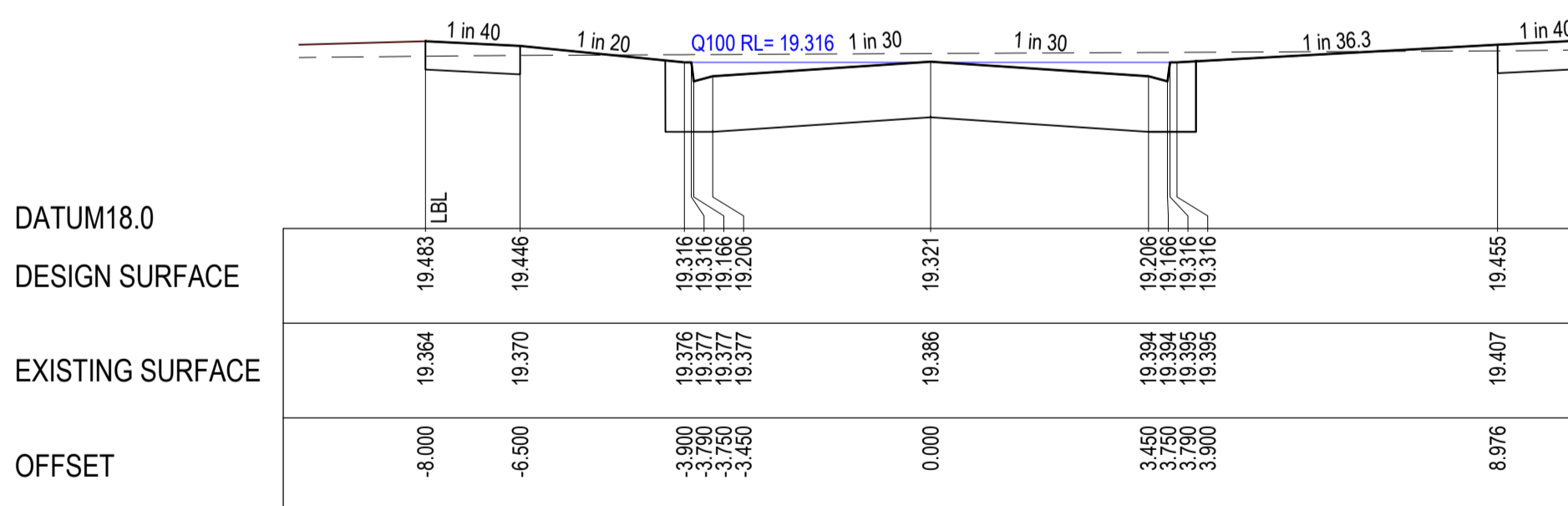
LIMIT OF WORKS CH 44.408



CH 41.908



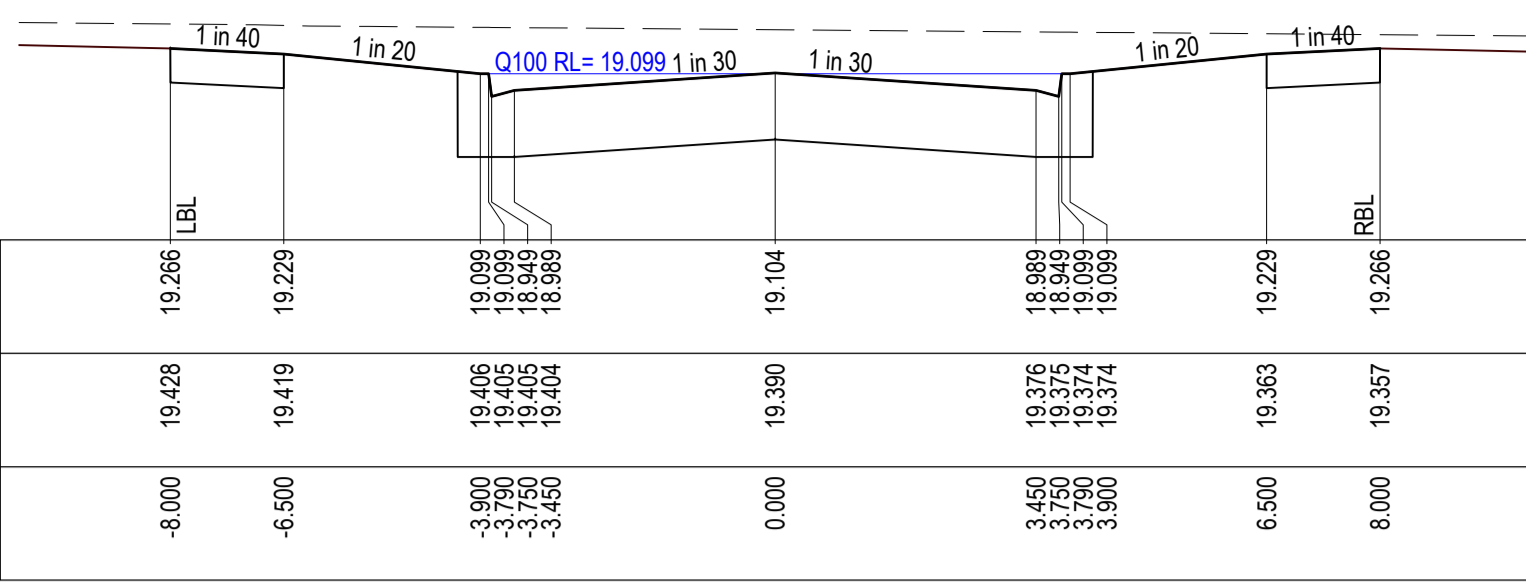
CH 29.408



TANGENT POINT CH 21.606

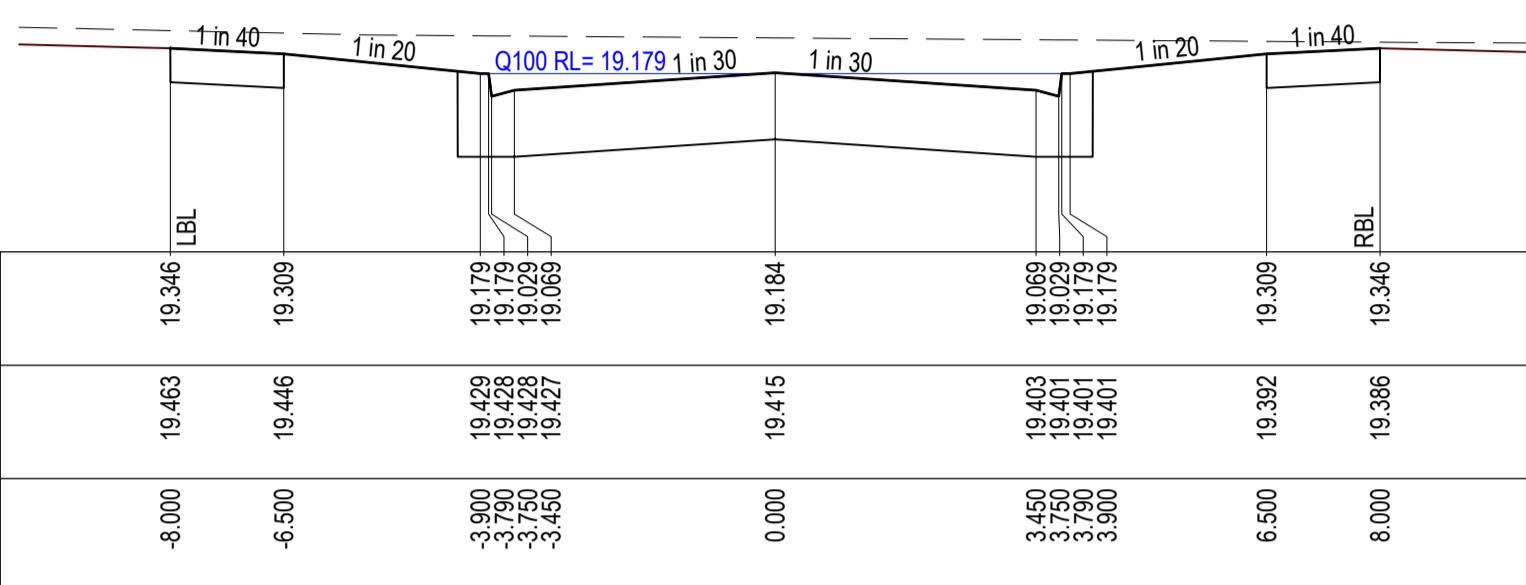
**WOODLAND STREET**

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



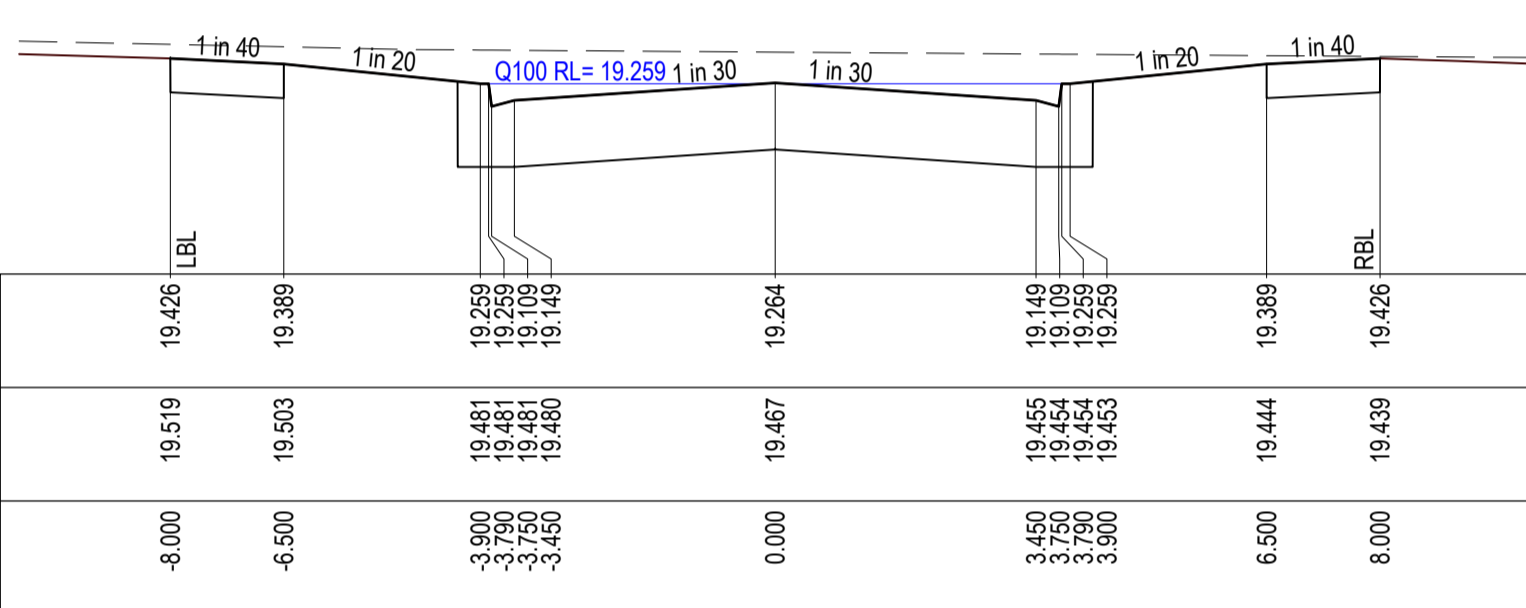
CH 83.726

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



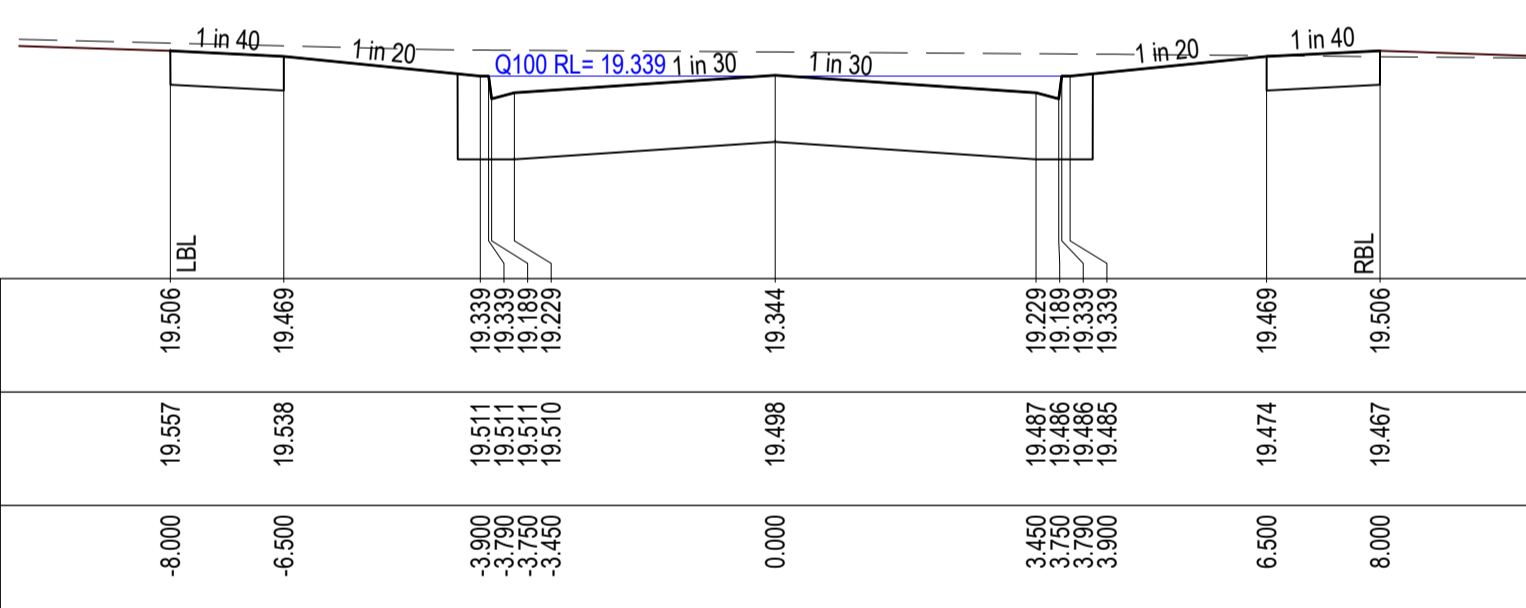
CH 67.726

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



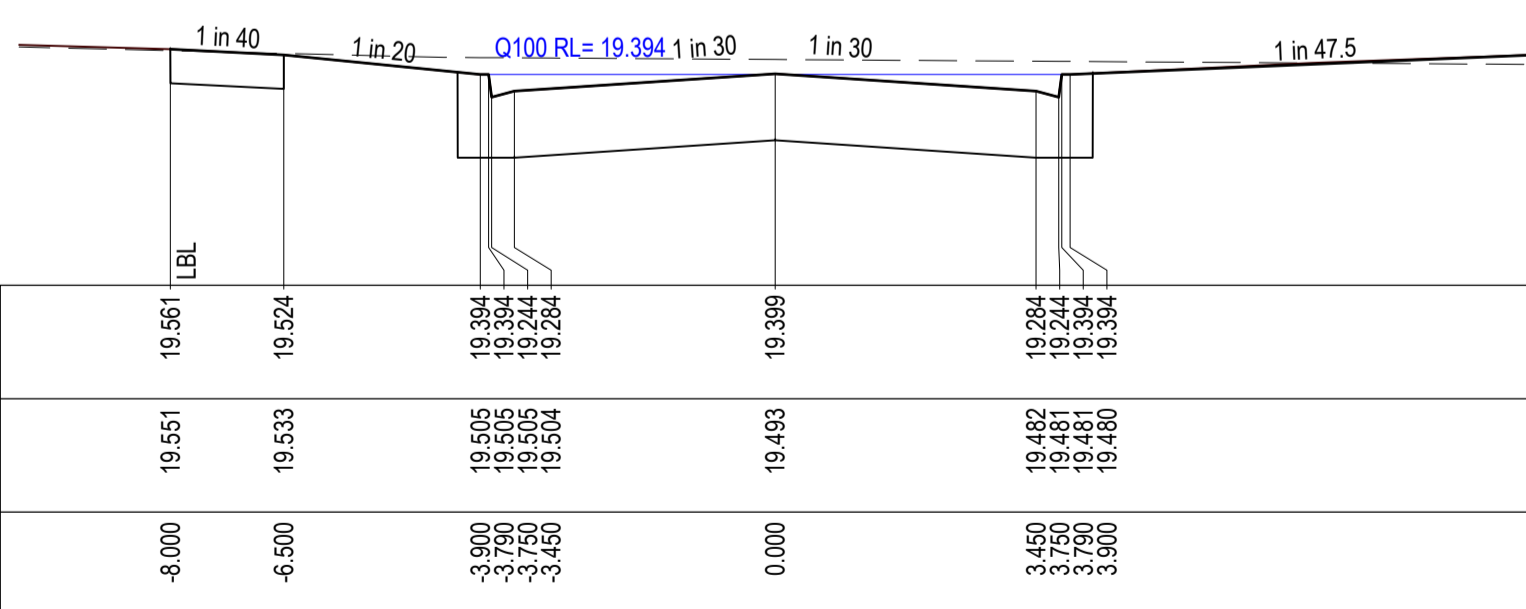
CH 51.726

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



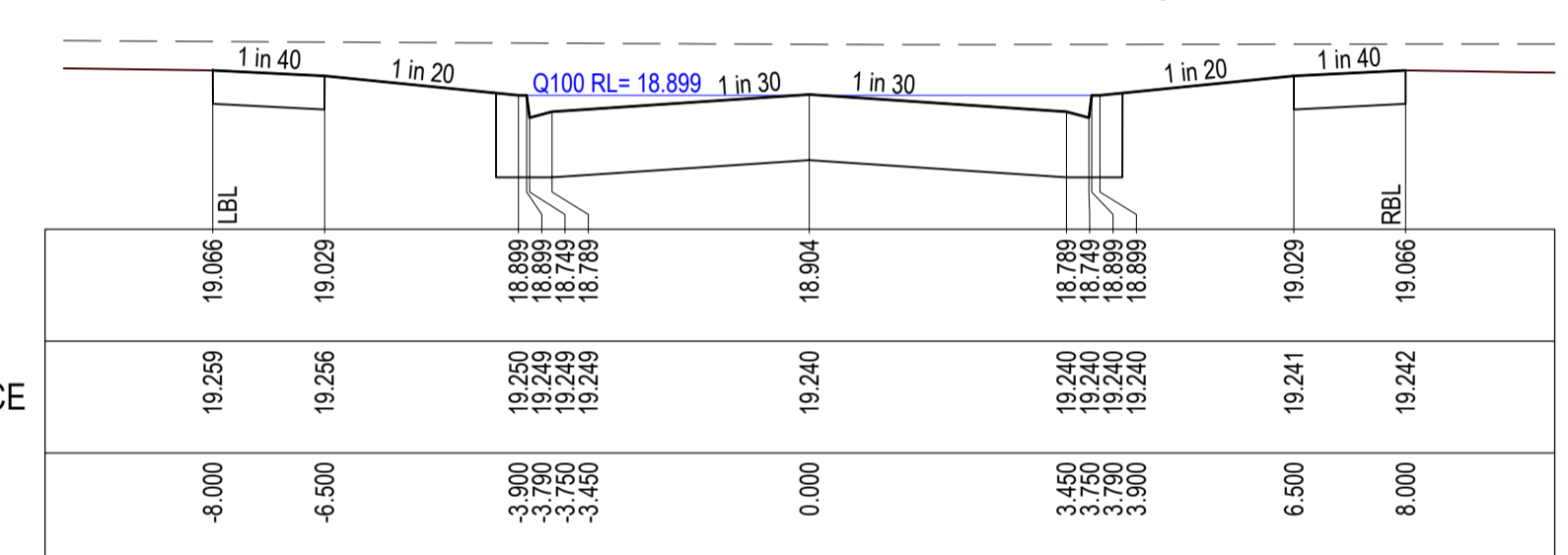
CH 35.726

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



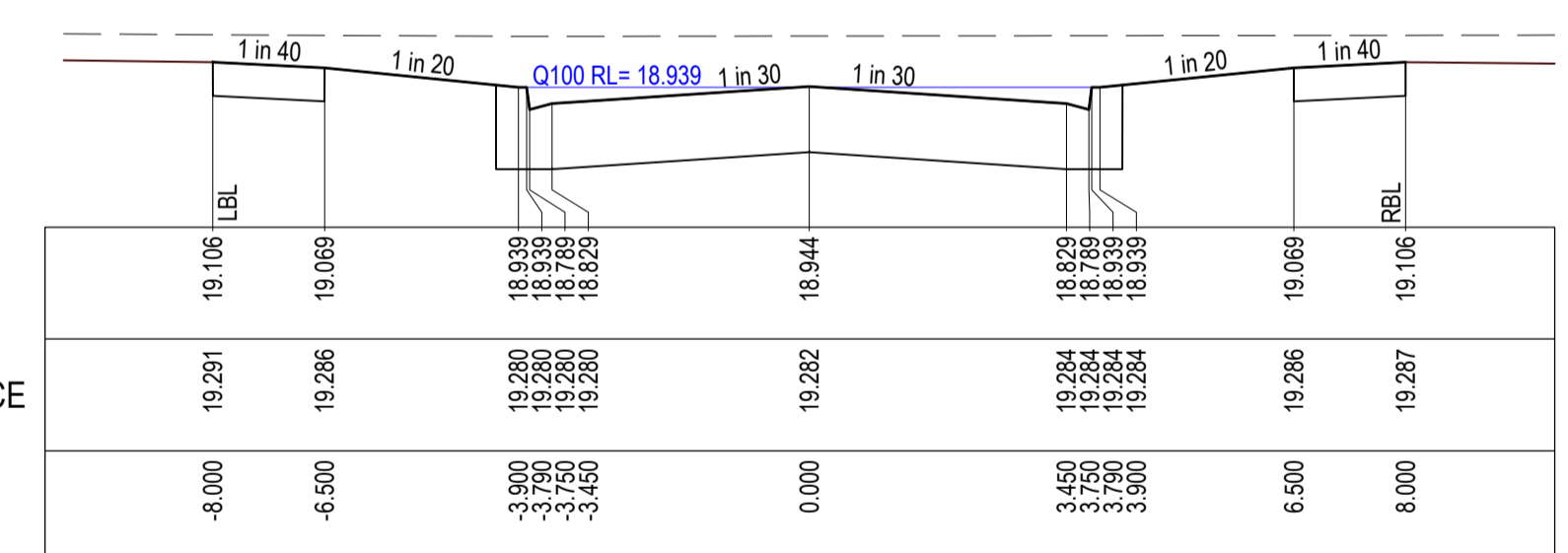
TANGENT POINT CH 24.780

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



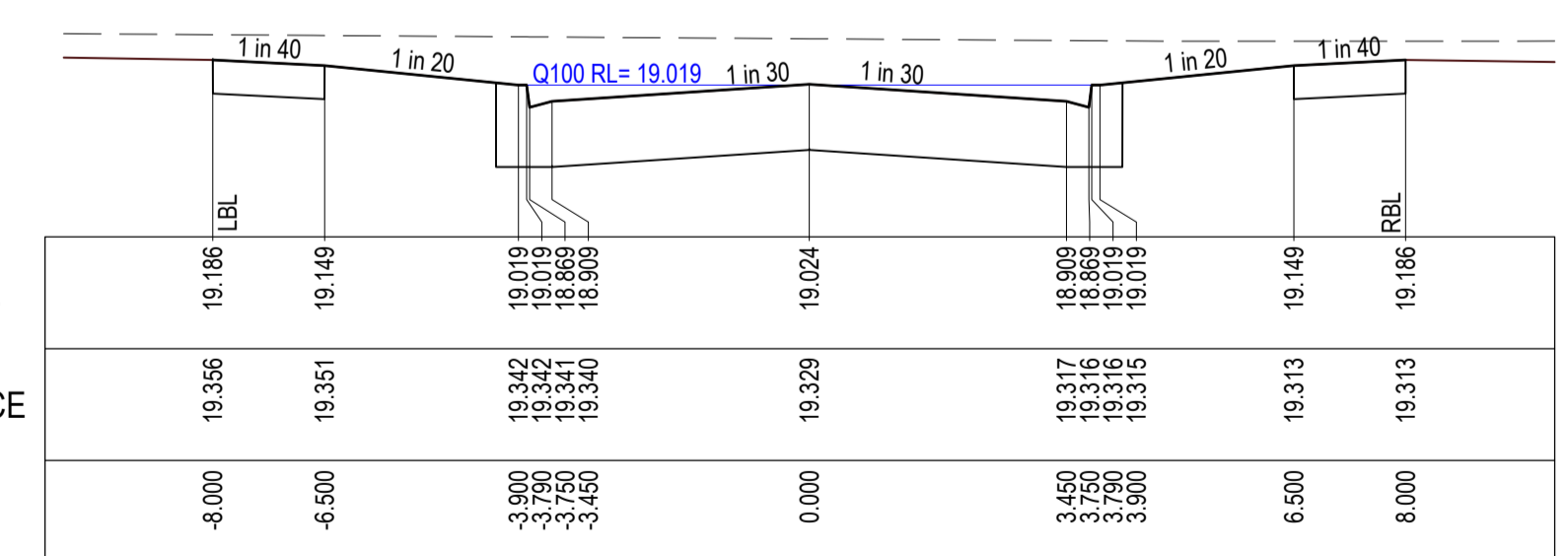
LIMIT OF WORKS CH 123.726

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



CH 115.726

DATUM18.0  
DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



CH 99.726

**NATIVE STREET**

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

**villawood properties**  
Communities Designed for Living

**creo CONSULTANTS**  
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**Coridale**  
LARA

**CORIDALE ESTATE - STAGE 9A**  
ROAD CROSS SECTIONS - 7  
WOODLAND STREET & NATIVE STREET  
PLANNING PERMIT No: PP-496-2018

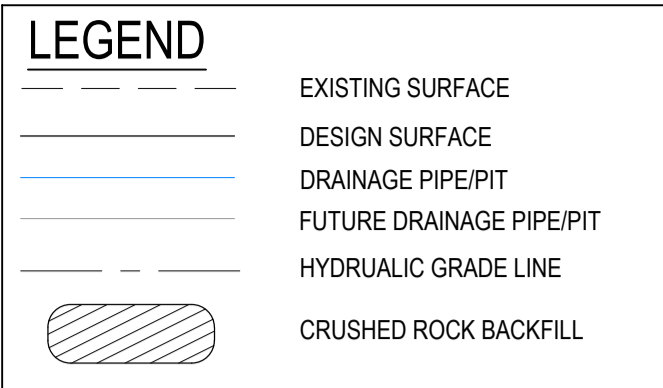
**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R506</b>	<b>0</b>



- 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

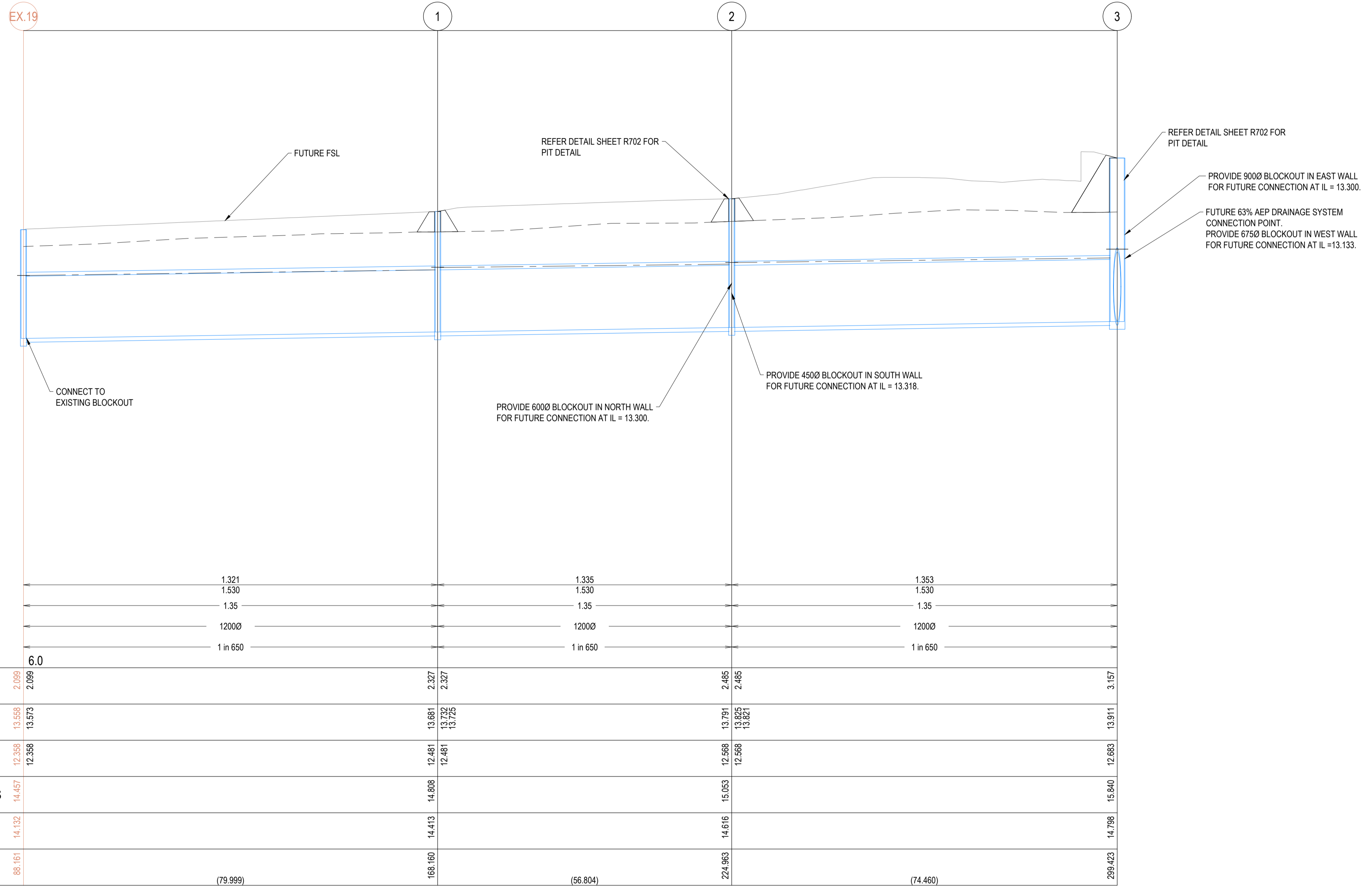
**DRAINAGE PIPES**  
 ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989. LOADS ON BURIED PIPES. CONCRETE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



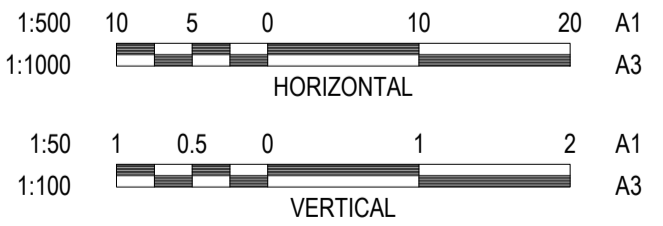
**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works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

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL  
 GREATER GEELONG CITY COUNCIL  
 PLANNING ENVIRONMENT ACT 1987  
 GREATER GEELONG PLANNING SCHEME  
 Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 17 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022  
 NOTE: THIS IS NOT A BUILDING APPROVAL

**NOTE:**  
 THE PROPOSED DRAINAGE FROM PIT EX.19 TO PIT 3 HAS BEEN DESIGNED TO COLLECT AND CONVEY STORMWATER FLOWS FROM A 63% AEP STORM EVENT. LARGER STORM EVENTS ARE TO OVERFLOW INTO THE ADJACENT WETLAND. THE HYDRAULIC CALCULATIONS SHOWN ON THIS SHEET I.E. THE DESIGN FLOW, AND HYDRAULIC GRADE LINE, ARE REFLECTIVE OF A 63% AEP STORM EVENT.  
 SHEETS R601-R605 ARE DESIGNED TO COLLECT AND CONVEY STORMWATER FLOWS FROM A 20% AEP STORM EVENT. THE HYDRAULIC CALCULATIONS SHOWN ON THESE SHEETS ARE REFLECTIVE OF A 20% AEP STORM EVENT.



**NOTE:**  
 PITS 1 TO 3 TO BE CONSTRUCTED TO FINISHED SURFACE LEVELS. CONTRACTOR TO PROVIDE A 1m RADIUS FREE DRAINING SURFACE AROUND EACH PIT TO FINISHED SURFACE LEVELS AND BATTER AT 1:6 BACK TO EXISTING SURFACE. PITS TO BE FITTED WITH TEMPORARY COVERS UNTIL FUTURE WORKS HAVE COMMENCED. REFER DETAIL 1 SHEET R701.



P:\2018\18014\_205-245 CHALLOWAYS RD\_LARA\18014\_9A-R600-DRAINAGE LONG SECTIONS DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	26/07/22	DRAINAGE CHANGES	I.HOGAN	C.ROHDE	M.TROUNCE
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

**villawood properties**  
 Communities Designed for Living

**creo CONSULTANTS**  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**Coridale**  
 LARA

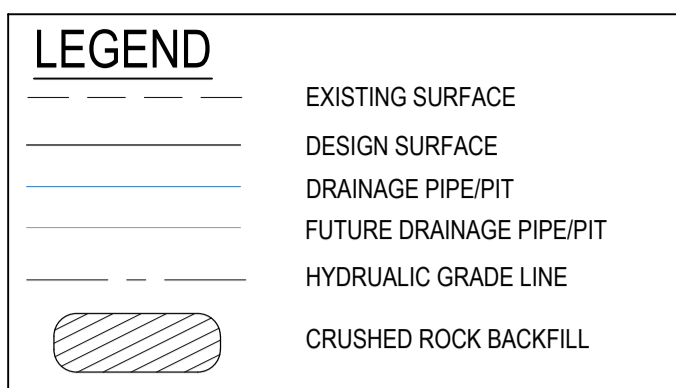
**CORIDALE ESTATE - STAGE 9A**  
**DRAINAGE LONG SECTIONS - 1**  
 PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R600</b>	<b>1</b>

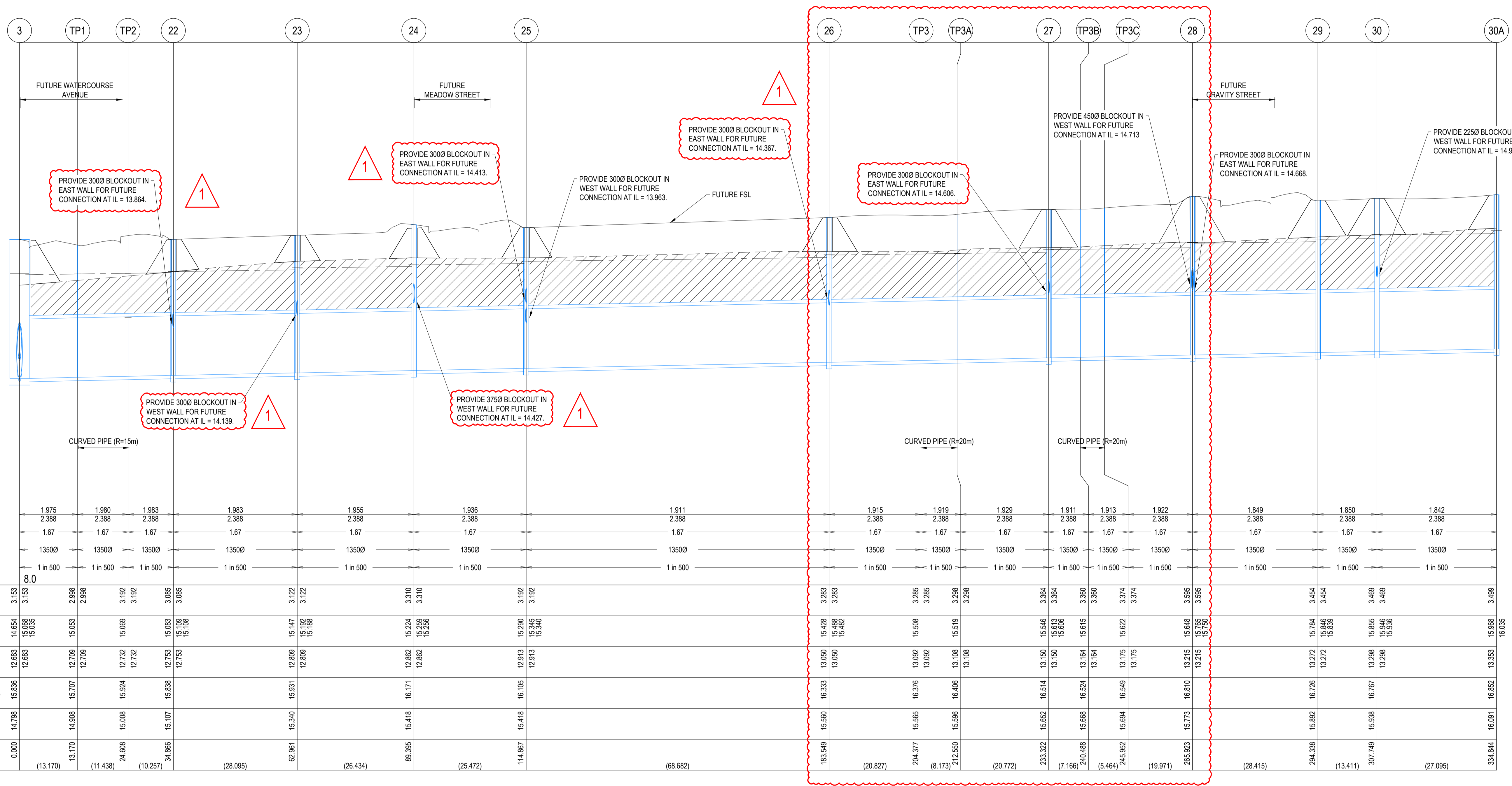
- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
    - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
    - 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.
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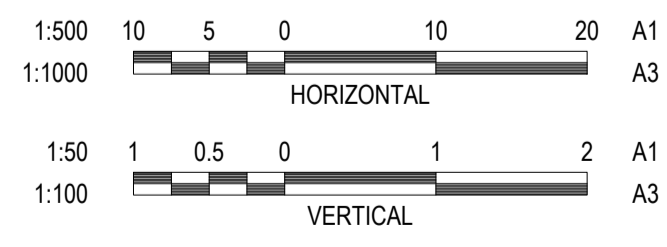
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CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL  
**GREATER GEELONG CITY COUNCIL**  
**PLANNING ENVIRONMENT ACT 1987**  
**GREATER GEELONG PLANNING SCHEME**  
 Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 18 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022  
**NOTE: THIS IS NOT A BUILDING APPROVAL**



	3	TP1	TP2	22	23	24	25	26	TP3	TP3A	27	TP3B	TP3C	28	29	30	30A
DESIGN FLOW (m <sup>3</sup> /s)	1.975	1.980	1.983		1.983	1.955	1.936		1.915	1.919	1.929	1.911	1.913	1.922	1.849	1.850	1.842
CAPACITY (m <sup>3</sup> /s)	2.388	2.388	2.388		2.388	2.388	2.388		2.388	2.388	2.388	2.388	2.388	2.388	2.388	2.388	2.388
AT GRADE VELOCITY (m/s)	1.67	1.67	1.67		1.67	1.67	1.67		1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
PIPE SIZE (mm)	13500	13500	13500		13500	13500	13500		13500	13500	13500	13500	13500	13500	13500	13500	13500
GRADE DATUM	8.0	1 in 500	1 in 500		1 in 500	1 in 500	1 in 500		1 in 500	1 in 500	1 in 500	1 in 500	1 in 500	1 in 500	1 in 500	1 in 500	1 in 500
DEPTH TO INVERT	3.153	3.153	2.998	3.192	3.085	3.122	3.192		3.285	3.285	3.296	3.364	3.364	3.374	3.454	3.454	3.459
HYDRAULIC GRADE LINE	14.654	15.068	15.053	15.069	15.083	15.147	15.290	15.428	15.508	15.508	15.519	15.546	15.606	15.622	15.648	15.784	15.968
INVERT LEVEL	12.683	12.683	12.709	12.732	12.753	12.809	12.913	13.050	13.052	13.052	13.108	13.150	13.150	13.175	13.215	13.272	13.353
FINISHED SURFACE LEVELS	15.836	15.836	15.707	15.924	15.838	15.931	16.105	16.333	16.376	16.376	16.406	16.514	16.524	16.549	16.810	16.726	16.852
EXISTING SURFACE LEVEL	14.798	14.908	15.008	15.107	15.340	15.418	15.418	15.560	15.665	15.665	15.696	15.668	15.694	15.773	15.892	15.938	16.091
CHAINAGE (Reach Length)	0.000	(13.170)	(11.438)	(10.257)	(28.095)	(26.434)	(25.472)	(68.682)	(20.827)	(8.173)	(20.772)	(7.166)	(5.464)	(19.971)	(28.415)	(13.411)	(27.095)

**NOTE:**  
 PITS 3 TO 30A TO BE CONSTRUCTED TO FINISHED SURFACE LEVELS. CONTRACTOR TO PROVIDE A 1m RADIUS FREE DRAINING SURFACE AROUND EACH PIT TO FINISHED SURFACE LEVELS AND BATTER AT 1:6 BACK TO EXISTING SURFACE. PITS TO BE FITTED WITH TEMPORARY COVERS UNTIL FUTURE WORKS HAVE COMMENCED. REFER DETAIL 1 SHEET R701.



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	26/07/22	DRAINAGE CHANGES	I.HOGAN	C.ROHDE	I.HOGAN
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

**villawood**  
 properties  
 Communities Designed for Living

**creo**  
 CONSULTANTS  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**Coridale**  
 LARA

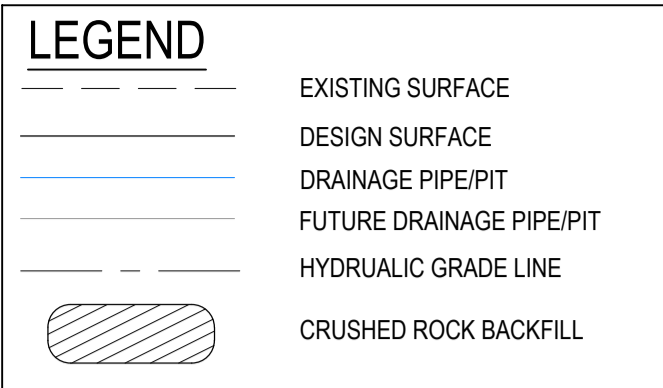
**CORIDALE ESTATE - STAGE 9A**  
**DRAINAGE LONG SECTIONS - 2**  
 PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R601</b>	<b>1</b>

- 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:
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  - 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.
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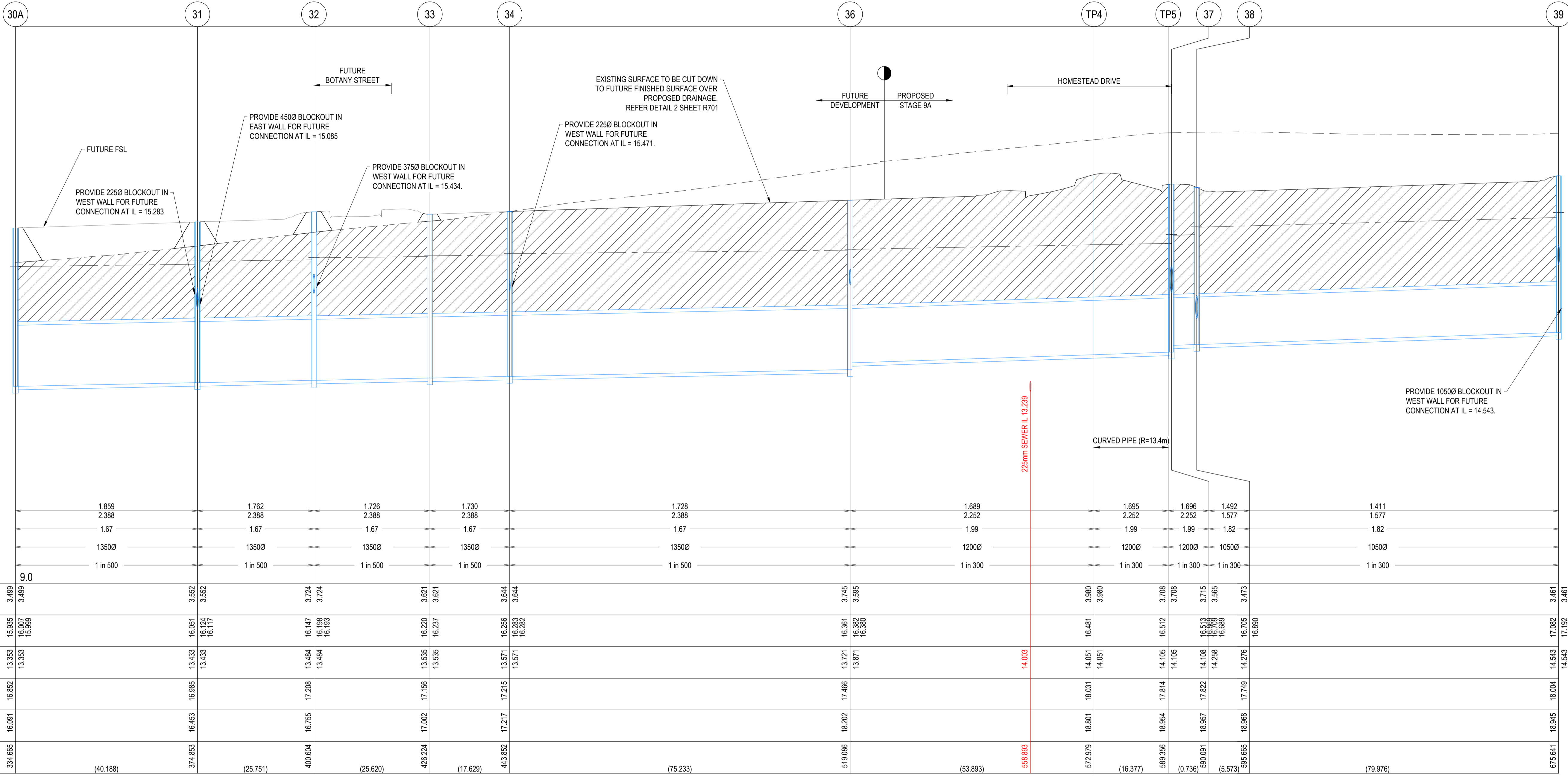
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CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

GREATER GEELONG CITY COUNCIL  
 PLANNING ENVIRONMENT ACT 1987  
 GREATER GEELONG PLANNING SCHEME

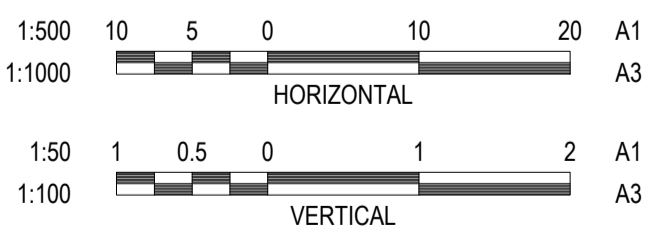
Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 19 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

NOTE: THIS IS NOT A BUILDING APPROVAL



	30A	31	32	33	34	36	TP4	TP5	37	38	39
DESIGN FLOW (m³/s)	1.859	1.762	1.726	1.730	1.728	1.689	1.695	1.696	1.492	1.411	
CAPACITY (m³/s)	2.388	2.388	2.388	2.388	2.388	2.252	2.252	2.252	1.577	1.577	
AT GRADE VELOCITY (m/s)	1.67	1.67	1.67	1.67	1.67	1.99	1.99	1.99	1.82	1.82	
PIPE SIZE (mm)	13500	13500	13500	13500	13500	12000	12000	12000	10500	10500	
GRADE DATUM	9.0	1 in 500	1 in 500	1 in 500	1 in 500	1 in 500	1 in 300	1 in 300	1 in 300	1 in 300	
DEPTH TO INVERT	3.469	3.552	3.724	3.621	3.644	3.745	3.980	3.708	3.715	3.461	
HYDRAULIC GRADE LINE	15.935	16.051	16.147	16.220	16.296	16.361	16.481	16.512	16.513	17.082	
INVERT LEVEL	13.353	13.433	13.464	13.535	13.571	13.721	14.051	14.105	14.108	14.543	
FINISHED SURFACE LEVELS	16.852	16.985	17.208	17.156	17.215	17.466	18.031	17.814	17.822	18.004	
EXISTING SURFACE LEVEL	16.091	16.453	16.755	17.002	17.217	18.202	18.801	18.954	18.957	18.945	
CHAINAGE (Reach Length)	334.665	374.853	400.604	406.224	443.852	519.086	572.979	589.356	590.091	675.641	

**NOTE:**  
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

**villawood properties**  
 Communities Designed for Living

**creo CONSULTANTS**  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**Coridale**  
 LARA

**CORIDALE ESTATE - STAGE 9A**  
**DRAINAGE LONG SECTIONS - 3**  
 PLANNING PERMIT No: PP-496-2018

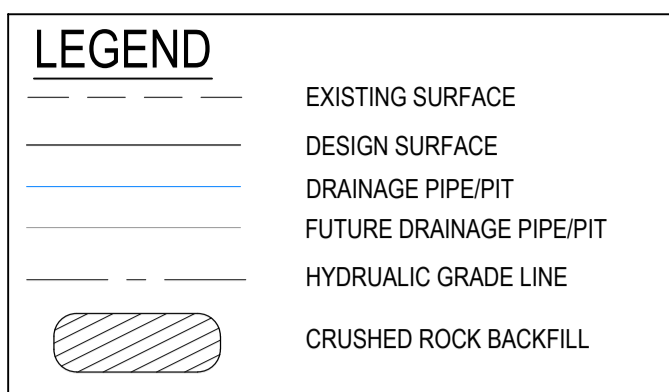
**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R602</b>	<b>0</b>

P:\2018\180014\_205-245 CHALLOWAYS RD\_LARA\180014\_S\DWG\CIVIL\2\_DRAINAGE\LONG SECTIONS DWG

- NOTES**
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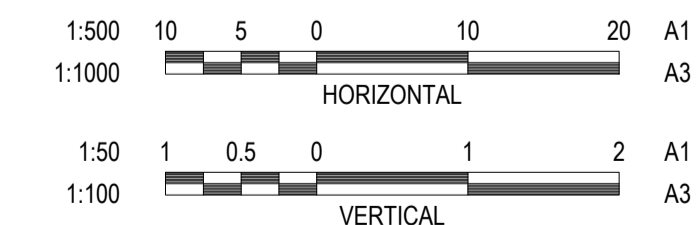
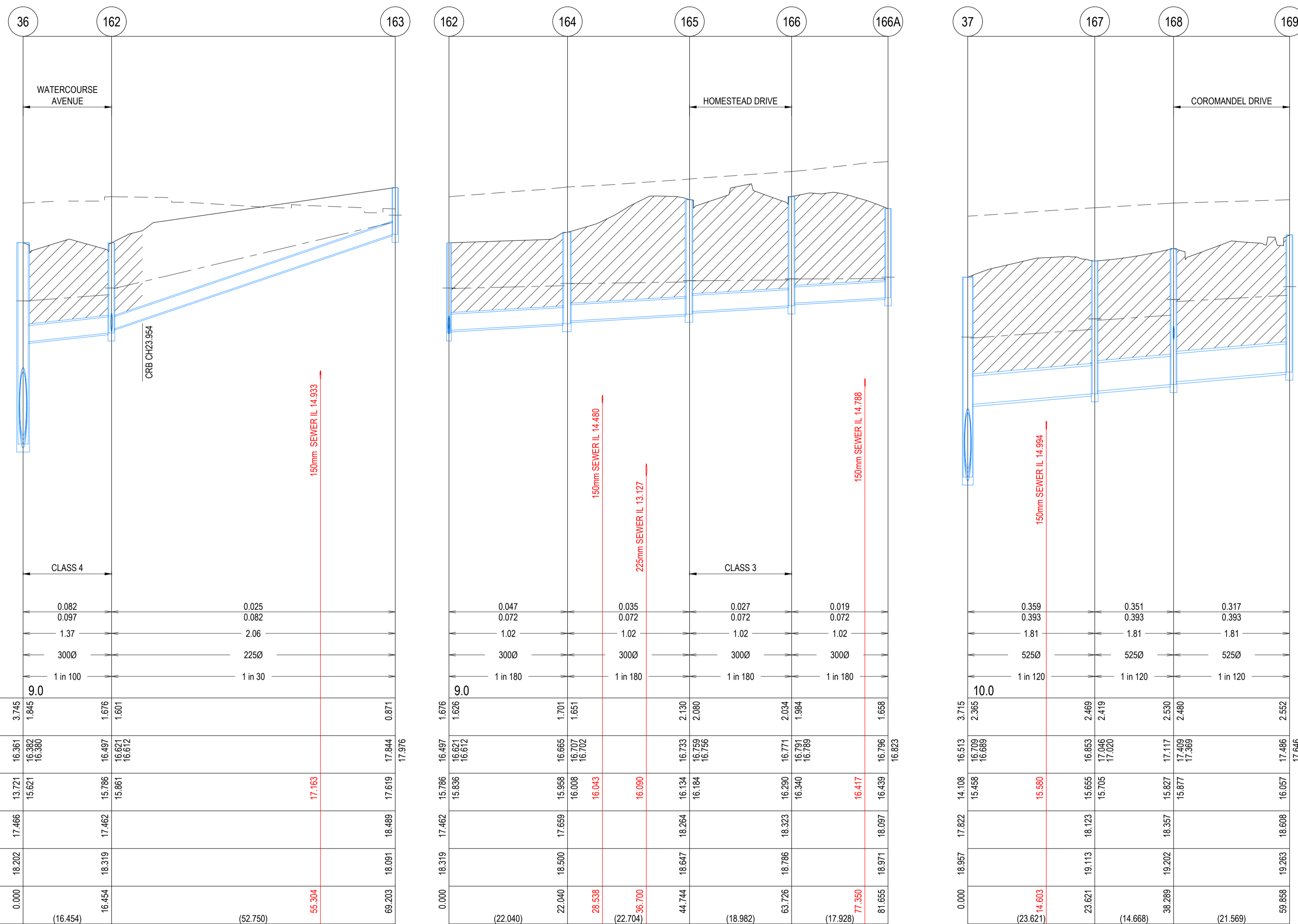
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**PLANNING ENVIRONMENT ACT 1987**  
**GREATER GEELONG PLANNING SCHEME**

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 20 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

NOTE: THIS IS NOT A BUILDING APPROVAL



P:\2018\18014\_205-245 CHALLOWAYS RD\_LARA\18014\_9A\CIVIL\2\_DRAFTING\CADD\18014\_9A\_R603\_DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

**villawood properties**  
 Communities Designed for Living

**creo CONSULTANTS**  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**Coridale**  
 LARA

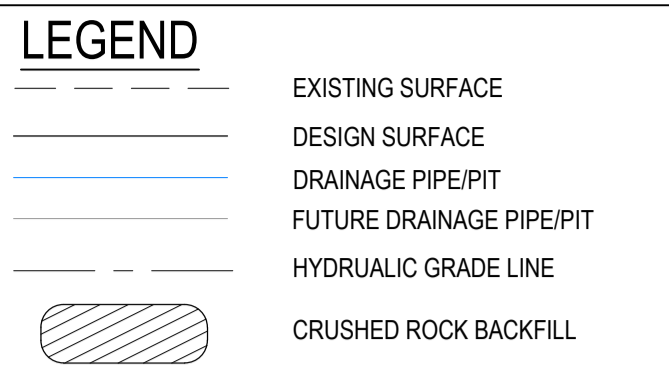
**CORIDALE ESTATE - STAGE 9A**  
**DRAINAGE LONG SECTIONS - 4**  
 PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R603</b>	<b>0</b>

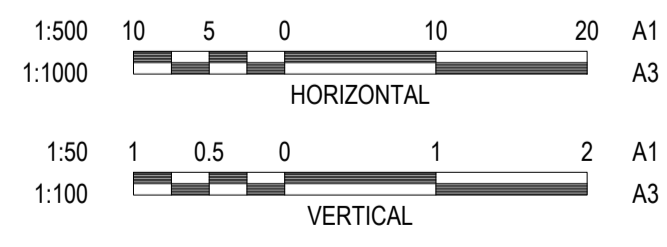
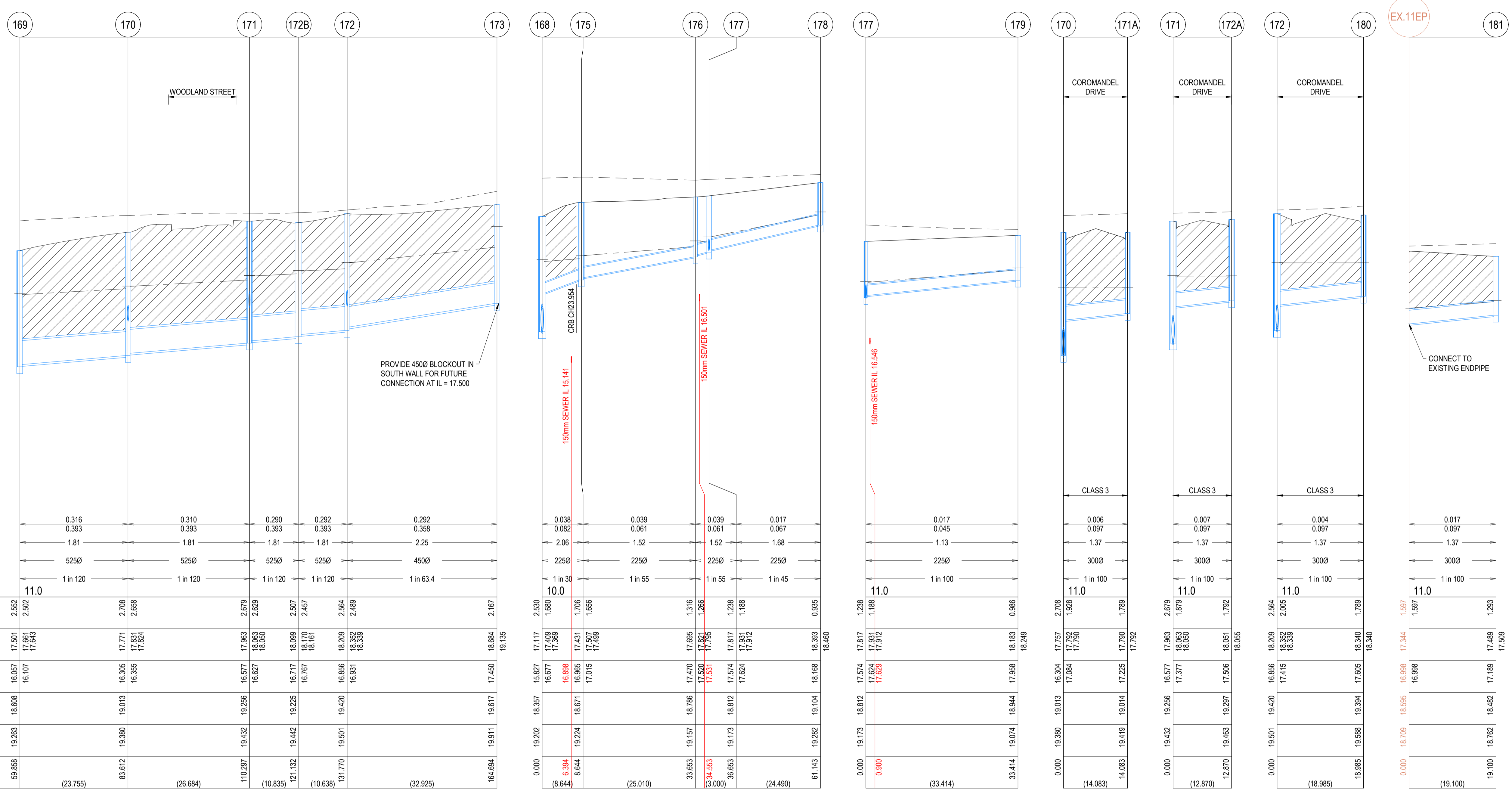
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**PLANNING ENVIRONMENT ACT 1987**  
**GREATER GEELONG PLANNING SCHEME**  
 Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 21 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022  
**NOTE: THIS IS NOT A BUILDING APPROVAL**



P:\2018\18014\_205-245 CHALLOANS RD\_LARA\18014\_SDC\DWG\2\_DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

**villawood properties**  
 Communities Designed for Living

**creo CONSULTANTS**  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**Coridale**  
 LARA

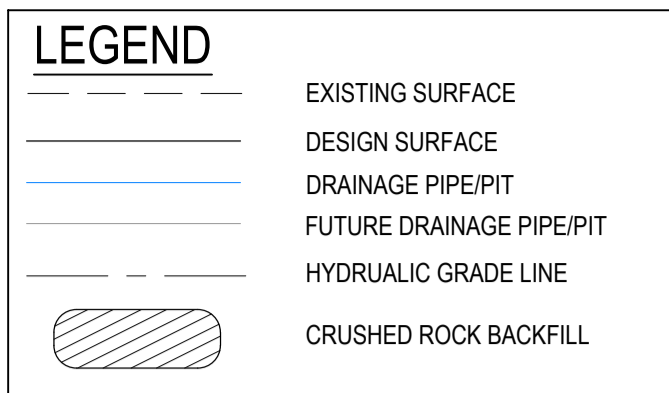
**CORIDALE ESTATE - STAGE 9A**  
**DRAINAGE LONG SECTIONS - 5**  
 PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R604</b>	<b>0</b>

- NOTES**
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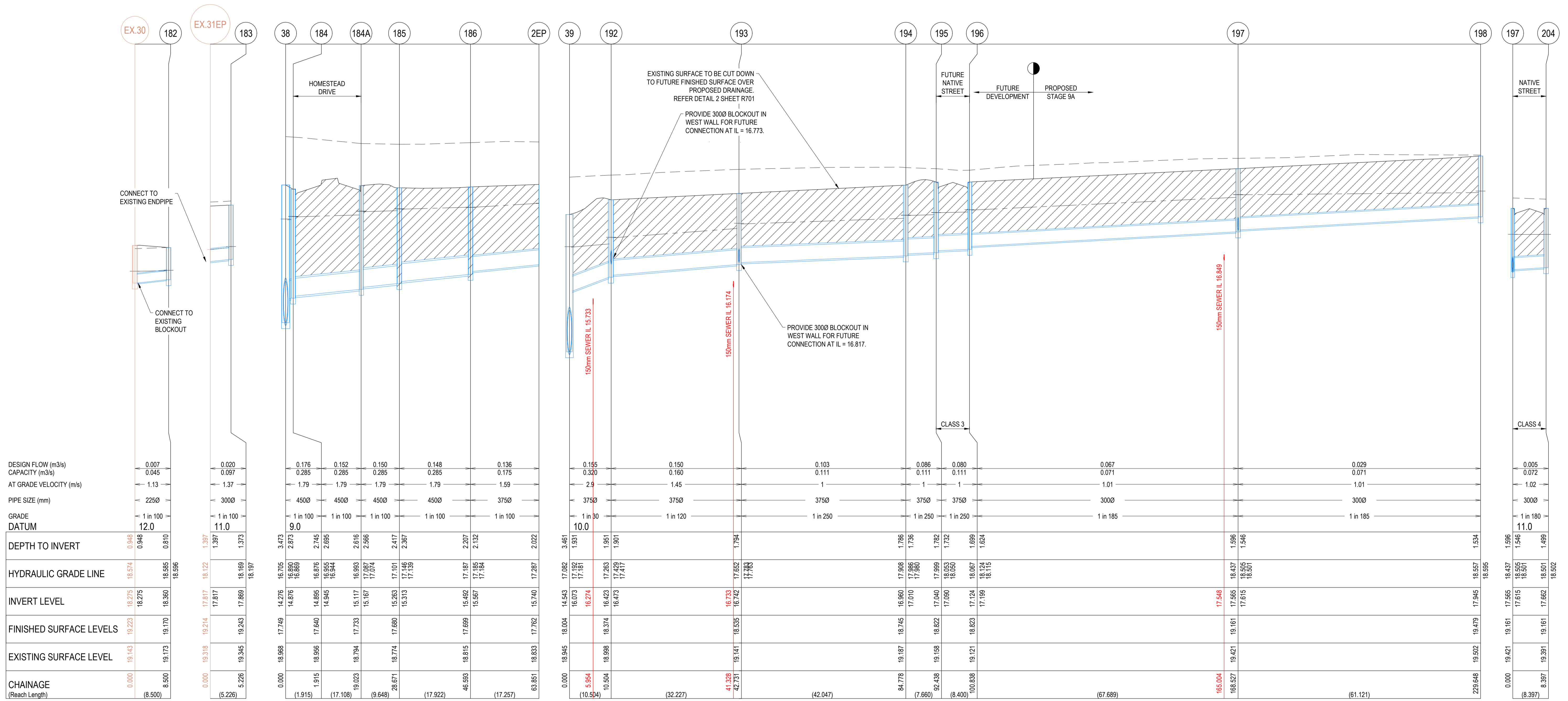
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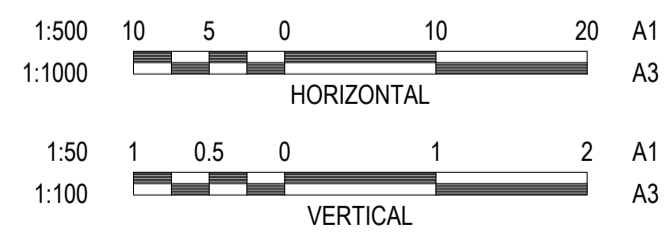
GREATER GEELONG CITY COUNCIL  
 PLANNING ENVIRONMENT ACT 1987  
 GREATER GEELONG PLANNING SCHEME

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 22 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

NOTE: THIS IS NOT A BUILDING APPROVAL



DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	PIPE SIZE (mm)	GRADE DATUM	DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	FINISHED SURFACE LEVELS	EXISTING SURFACE LEVEL	CHAINAGE (Reach Length)
0.007	0.045	1.13	2250	1 in 100	0.948	16.574	16.275	19.223	19.143	0.000
0.020	0.097	1.37	3000	1 in 100	0.948	16.574	16.275	19.223	19.143	8.500
0.176	0.285	1.79	4500	1 in 100	1.397	18.122	17.817	19.214	19.318	(5.226)
0.152	0.285	1.79	4500	1 in 100	2.873	16.705	14.876	17.749	18.968	(1.915)
0.150	0.285	1.79	4500	1 in 100	2.745	16.890	14.895	17.640	18.956	(17.108)
0.148	0.285	1.79	4500	1 in 100	2.616	16.876	14.945	17.733	18.794	(9.648)
0.136	0.175	1.59	3750	1 in 100	2.566	16.993	15.117	17.680	18.774	(17.922)
0.150	0.175	1.59	3750	1 in 120	2.417	17.097	15.167	17.699	18.815	46.593
0.103	0.111	1.01	3000	1 in 180	2.207	17.187	15.263	17.699	18.815	(17.257)
0.150	0.175	1.59	3750	1 in 250	2.132	17.185	15.313	17.682	18.833	63.851
0.150	0.175	1.59	3750	1 in 250	2.022	17.287	15.313	17.762	18.833	(17.257)
0.086	0.111	1.01	3000	1 in 185	3.461	17.082	14.543	18.004	18.945	0.000
0.080	0.111	1.01	3000	1 in 185	1.931	17.192	16.073	17.187	16.274	5.954
0.067	0.071	1.01	3000	1 in 185	1.951	17.263	16.423	18.374	18.998	10.504
0.029	0.071	1.01	3000	1 in 185	1.901	17.429	16.473	18.473	19.141	(32.227)
0.005	0.072	1.02	3000	1 in 180	1.794	17.652	16.733	18.535	18.535	41.328
0.005	0.072	1.02	3000	1 in 180	1.783	17.763	16.742	18.535	18.535	42.731
0.005	0.072	1.02	3000	1 in 180	1.786	17.938	16.960	18.745	19.187	84.778
0.005	0.072	1.02	3000	1 in 180	1.736	17.990	17.070	18.745	19.187	(7.660)
0.005	0.072	1.02	3000	1 in 180	1.762	17.999	17.040	18.822	19.158	92.438
0.005	0.072	1.02	3000	1 in 180	1.732	18.050	17.050	18.822	19.158	(8.400)
0.005	0.072	1.02	3000	1 in 180	1.689	18.050	17.124	18.823	19.121	100.838
0.005	0.072	1.02	3000	1 in 180	1.624	18.115	17.189	18.823	19.121	(67.689)
0.005	0.072	1.02	3000	1 in 180	1.586	18.437	17.548	19.161	19.421	165.004
0.005	0.072	1.02	3000	1 in 180	1.546	18.505	17.565	19.161	19.421	168.527
0.005	0.072	1.02	3000	1 in 180	1.499	18.591	17.615	19.161	19.421	(61.121)
0.005	0.072	1.02	3000	1 in 180	1.534	18.557	17.945	19.479	19.502	229.648
0.005	0.072	1.02	3000	1 in 180	1.534	18.557	17.945	19.479	19.502	(61.121)
0.005	0.072	1.02	3000	1 in 180	1.546	18.437	17.565	19.161	19.421	0.000
0.005	0.072	1.02	3000	1 in 180	1.499	18.505	17.615	19.161	19.421	8.397
0.005	0.072	1.02	3000	1 in 180	1.499	18.505	17.662	19.161	19.391	(8.397)



P:\2018\18014\_205-245 CHALLONERS RD\_LARA\18014\_S\DWG\12\_DRAFTING\CADD\18014\_9A\_R605\_DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE



**CORIDALE ESTATE - STAGE 9A**  
**DRAINAGE LONG SECTIONS - 6**

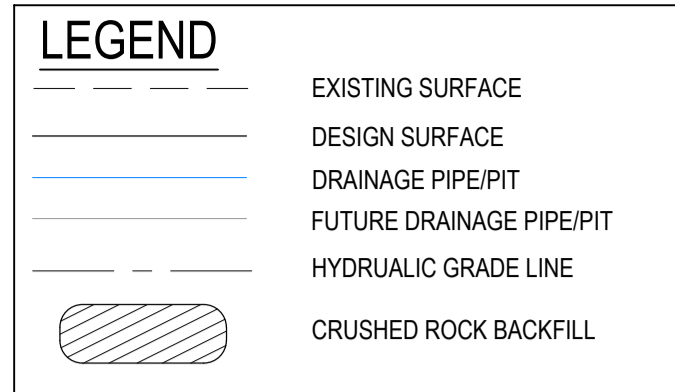
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No:	DRAWING No:	REVISION
<b>180014.9A</b>	<b>R605</b>	<b>0</b>

- 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

**DRAINAGE 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.



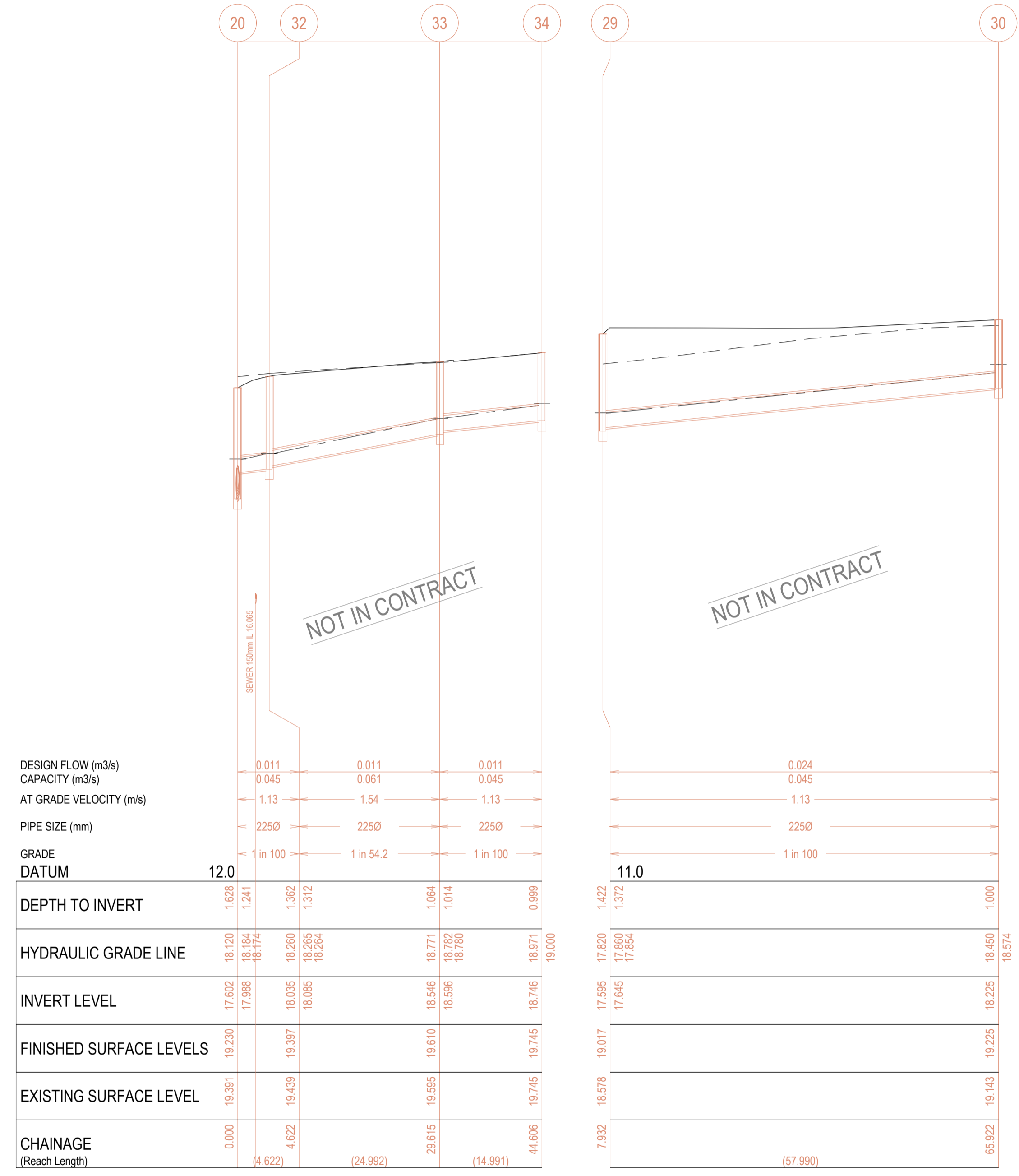
**WARNING**  
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**DIAL 1100 BEFORE YOU DIG**  
[www.1100.com.au](http://www.1100.com.au)

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

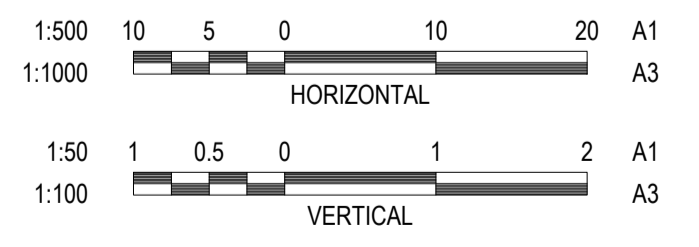
GREATER GEELONG CITY COUNCIL  
 PLANNING ENVIRONMENT ACT 1987  
 GREATER GEELONG PLANNING SCHEME

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 23 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

NOTE: THIS IS NOT A BUILDING APPROVAL



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



P:\2018\18014\_205-245 CHALCOWNS RD\_LARA\18014\_S&C\DWG\2\_DRAFTING\CADD\18014\_9A\_R606\_DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

PROJECT

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
 DRAINAGE LONG SECTIONS - 7**

PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR  
 CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R606</b>	<b>0</b>

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CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

GREATER GEELONG CITY COUNCIL  
 PLANNING ENVIRONMENT ACT 1987  
 GREATER GEELONG PLANNING SCHEME

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 24 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

PIT SCHEDULE											
PIT NAME	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVERT R.L.(m)	DIAMETER (mm)	INVERT R.L.(m)				
19	Ex. JUNCTION PIT	Ex.1650	Ex.900	1200	12.358	Ex.1200	Ex.12.358	14.445	2.087	-	CONNECT TO EXISTING BLOCKOUT. MAKE GOOD CONNECTION.
1	JUNCTION PIT	1650	900	1200	12.481	1200	12.481	14.808	2.327	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER.
2	JUNCTION PIT	1650	900	1200	12.568	1200	12.568	15.053	2.485	IDM SD 420 & VICROADS SD 1023A	REFER TO SHEET 702 DETAIL. HAUNCHED TO 600x900 COVER. PROVIDE 600Ø BLOCKOUT IN NORTH WALL FOR FUTURE CONNECTION AT IL = 13.300. PROVIDE 450Ø BLOCKOUT IN SOUTH WALL FOR FUTURE CONNECTION AT IL = 13.318.
				FUT.450	13.318	FUT.600	13.300				
3	DOUBLE SIDE ENTRY PIT	2700	3500	750	13.133	1200	12.683	15.840	3.157	IDM SD 445 & VICROADS SD 1023A	REFER TO SHEET 702 FOR DETAILS. HAUNCHED TO 600x900 COVER. PROVIDE 675Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 13.133. PROVIDE 900Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 13.300.
				1350	12.683	FUT. 900	13.300				
				FUT. 675	13.133						
TP1	TANGENT POINT	-	-	1350	12.709	1350	12.709	15.707	2.998	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 45°, RADIUS = 15m
TP2	TANGENT POINT	-	-	1350	12.732	1350	12.732	15.980	3.248	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 45°, RADIUS = 15m
22	SIDE ENTRY PIT	1800	900	1350	12.753	1350	12.753	15.838	3.085	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 300Ø BLOCKOUT IN EAST WALL FOR FUTURE CONNECTION AT IL = 13.864.
				FUT.300	13.864						
23	SIDE ENTRY PIT	1800	900	1350	12.809	1350	12.809	15.931	3.122	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 300Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 14.139.
				FUT.300	14.139						
24	JUNCTION PIT	1800	900	1350	12.862	1350	12.862	16.094	3.232	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 375Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 14.427.
				FUT.375	14.427						
25	SIDE ENTRY PIT	1800	900	1350	12.913	1350	12.913	16.105	3.192	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 300Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 13.963. PROVIDE 300Ø BLOCKOUT IN EAST WALL FOR FUTURE CONNECTION AT IL = 14.131.
				FUT.300	14.131						
				FUT.300	13.963						
26	SIDE ENTRY PIT	1800	900	1350	13.050	1350	13.050	16.333	3.283	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 300Ø BLOCKOUT IN EAST WALL FOR FUTURE CONNECTION AT IL = 14.367.
				FUT.300	14.367					IDM SD 455 & 410	
TP3	TANGENT POINT			1350	13.092	1350	13.092	16.376	3.285	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 23°, RADIUS = 20m
TP3A	TANGENT POINT			1350	13.108	1350	13.108	16.406	3.298	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 23°, RADIUS = 20m
27	SIDE ENTRY PIT	1800	900	1350	13.150	1350	13.15	16.514	3.364	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 300Ø BLOCKOUT IN EAST WALL FOR FUTURE CONNECTION AT IL = 14.606.
				FUT.300	14.606						
TP3B	TANGENT POINT			1350	13.164	1350	13.164	16.524	3.36	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 16°, RADIUS = 20m
TP3C	TANGENT POINT			1350	13.175	1350	13.175	16.549	3.374	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 16°, RADIUS = 20m
28	JUNCTION PIT	1800	900	1350	13.215	1350	13.215	16.810	3.595	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 450Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 14.713. PROVIDE 300Ø BLOCKOUT IN EAST WALL FOR FUTURE CONNECTION AT IL = 14.668.
				FUT.300	14.668						
				FUT.450	14.713						
29	SIDE ENTRY PIT	1800	900	1350	13.271	1350	13.271	16.726	3.455	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.
30	SIDE ENTRY PIT	1800	900	1350	13.298	1350	13.298	16.767	3.469	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 225Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 14.998.
				FUT.225	14.998						
30A	SIDE ENTRY PIT	1800	900	1350	13.352	1350	13.352	16.852	3.499	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.
31	SIDE ENTRY PIT	1800	900	1350	13.433	1350	13.433	16.985	3.552	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 225Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 15.283. PROVIDE 450Ø BLOCKOUT IN EAST WALL FOR FUTURE CONNECTION AT IL = 15.085.
				FUT.225	15.283						
				FUT.450	15.085						
32	JUNCTION PIT	1800	900	1350	13.484	1350	13.484	17.208	3.724	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 375Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 15.434.
				FUT.375	15.434						
33	SIDE ENTRY PIT	1800	900	1350	13.535	1350	13.535	17.156	3.621	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.
34	SIDE ENTRY PIT	1800	900	1350	13.571	1350	13.571	17.215	3.644	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 225Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 15.471.
				FUT.225	15.471						
36	SIDE ENTRY PIT	1800	900	1200	13.871	1350	13.721	17.466	3.745	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.
				300	15.621						
TP4	TANGENT POINT	-	-	1200	14.051	1200	14.051	18.031	3.980	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 70°, RADIUS = 13.4m
TP5	TANGENT POINT	-	-	1200	14.105	1200	14.105	17.814	3.708	-	IN ACCORDANCE WITH HUMES CONCRETE PIPE SPECIFICATIONS. DEFLECTION = 70°, RADIUS = 13.4m
37	JUNCTION PIT	1650	900	1050	14.258	1200	14.108	17.822	3.715	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER.
				525	15.458						
38	JUNCTION PIT	1650	900	1050	14.276	1050	14.276	17.749	3.473	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER.
				450	14.876						

1

P:201818014\_205-245 CHALLENGERS RD LARA 18014 DRAFTING CAD 18014 9A - R607 - DRAINAGE LONG SECTIONS DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	26/07/22	DRAINAGE CHANGES	I.HOGAN	C.ROHDE	M.TROUNCE
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

CLIENT



Communities Designed for Living

PROJECT



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

PROJECT



LARA

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
PIT SCHEDULE - 1**

PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R607</b>	<b>1</b>



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CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

GREATER GEELONG CITY COUNCIL  
 PLANNING ENVIRONMENT ACT 1987  
 GREATER GEELONG PLANNING SCHEME

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 25 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

PIT SCHEDULE												
PIT NAME	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH (m)	STANDARD DRAWING	REMARKS	
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVERT R.L.(m)	DIAMETER (mm)	INVERT R.L.(m)					
39	SIDE ENTRY PIT	1650	900	FUT. 1050	14.543	1050	14.543	18.004	3.461	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 1050Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 14.543.	
				375	16.073							
162	SIDE ENTRY PIT	600	900	225	15.861	300	15.786	17.462	1.676	IDM SD 430		
				300	15.836							
163	JUNCTION PIT	600	900			225	17.619	18.489	0.871	IDM SD 420		
164	JUNCTION PIT	600	900	300	16.008	300	15.958	17.659	1.701	IDM SD 420 & 410		
165	SIDE ENTRY PIT	900	900	300	16.184	300	16.134	18.264	2.130	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
166	SIDE ENTRY PIT	900	900	300	16.340	300	16.29	18.323	2.034	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
166A	SIDE ENTRY PIT	600	900			300	16.439	18.097	1.658	IDM SD 430		
167	SIDE ENTRY PIT	900	900	525	15.705	525	15.655	18.123	2.469	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
168	JUNCTION PIT	900	900	525	15.877	525	15.827	18.357	2.530	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER.	
				225	16.677							
169	SIDE ENTRY PIT	900	900	525	16.107	525	16.057	18.608	2.552	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
170	SIDE ENTRY PIT	900	900	525	16.354	525	16.304	19.013	2.708	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
				300	17.084							
171	SIDE ENTRY PIT	900	900	525	16.627	525	16.577	19.296	2.679	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
				300	17.377							
172B	SIDE ENTRY PIT	900	900	525	16.767	525	16.717	19.225	2.507	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
172	JUNCTION PIT	900	900	450	16.931	525	16.856	19.42	2.564	IDM SD 420 & 410	HAUNCHED TO 600x900 COVER.	
				300	17.415							
173	SIDE ENTRY PIT	900	900			450	17.450	19.617	2.167	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 450Ø BLOCKOUT IN SOUTH WALL FOR FUTURE CONNECTION AT IL = 14.500.	
				FUT. 450	17.500							
175	JUNCTION PIT	600	900	225	17.015	225	16.965	18.671	1.706	IDM SD 420		
176	JUNCTION PIT	600	900	225	17.520	225	17.470	18.786	1.316	IDM SD 420		
177	JUNCTION PIT	600	900	225	17.624	225	17.574	18.812	1.238	IDM SD 420		
				225	17.624							
178	JUNCTION PIT	600	900			225	18.168	19.104	0.935	IDM SD 420		
179	JUNCTION PIT	600	900			225	17.958	18.944	0.986	IDM SD 420		
171A	SIDE ENTRY PIT	600	900			300	17.225	19.014	1.789	IDM SD 430		
172A	SIDE ENTRY PIT	600	900			300	17.506	19.297	1.792	IDM SD 430		
180	SIDE ENTRY PIT	600	900			300	17.605	19.394	1.789	IDM SD 430		
Ex.11EP	Ex. ENDDPIPE	-	-	300	16.998	Ex. 300	16.998	18.595	1.597	-	CONNECT TO EXISTING ENDDPIPE.	
181	JUNCTION PIT	600	900			300	17.189	18.482	1.293	IDM SD 420		
Ex.30	Ex. JUNCTION PIT	600	900	225	18.275	Ex. 225	18.275	19.223	0.948	-	CONNECT TO EXISTING BLOCKOUT	
182	JUNCTION PIT	600	900			225	18.360	19.170	0.810	IDM SD 420		
Ex.31EP	Ex. ENDDPIPE	-	-	300	17.817	Ex. 300	17.817	19.214	1.397	-	CONNECT TO EXISTING ENDDPIPE.	
183	SIDE ENTRY PIT	600	900			300	17.869	19.243	1.373	IDM SD 430		
184	SIDE ENTRY PIT	900	900	450	14.945	450	14.895	17.64	2.745	IDM SD 430 & 410	HAUNCHED UNDER ROAD TO 600x900 COVER.	
184A	SIDE ENTRY PIT	900	900	450	15.167	450	15.117	17.733	2.616	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
185	SIDE ENTRY PIT	900	900	450	15.313	450	15.263	17.68	2.417	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
186	SIDE ENTRY PIT	900	900	375	15.567	450	15.492	17.699	2.207	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
2EP	ENDDPIPE	-	-	375	15.74	375	15.74	17.762	2.022	-	CAP & SEAL FOR FUTURE CONNECTION.	
192	SIDE ENTRY PIT	900	900	375	16.473	375	16.423	18.374	1.951	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 300Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 16.773.	
				FUT. 300	16.773							
193	SIDE ENTRY PIT	600	900	375	16.792	375	16.742	18.535	1.794	IDM SD 430	HAUNCHED TO 600x900 COVER. PROVIDE 300Ø BLOCKOUT IN WEST WALL FOR FUTURE CONNECTION AT IL = 16.817.	
				FUT. 300	16.817							
194	SIDE ENTRY PIT	600	900	375	17.010	375	16.960	18.745	1.786	IDM SD 430		
195	SIDE ENTRY PIT	600	900	375	17.09	375	17.040	18.822	1.782	IDM SD 430		
196	SIDE ENTRY PIT	600	900	300	17.199	375	17.124	18.823	1.699	IDM SD 430		
197	SIDE ENTRY PIT	600	900	300	17.615	300	17.565	19.161	1.596	IDM SD 430		
				300	17.615							
198	JUNCTION PIT	600	900			300	17.945	19.479	1.534	IDM SD 420		
204	SIDE ENTRY PIT	600	900			300	17.662	19.161	1.499	IDM SD 430		

P:\2018\180014\_205-245 CHALLOWAYS RD\_LARA\180014\_DRAFTING\CAD\180014\_9A\_1600 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

CLIENT



Communities Designed for Living

PROJECT



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

PROJECT



DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
PIT SCHEDULE - 2**

PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR CONSTRUCTION**

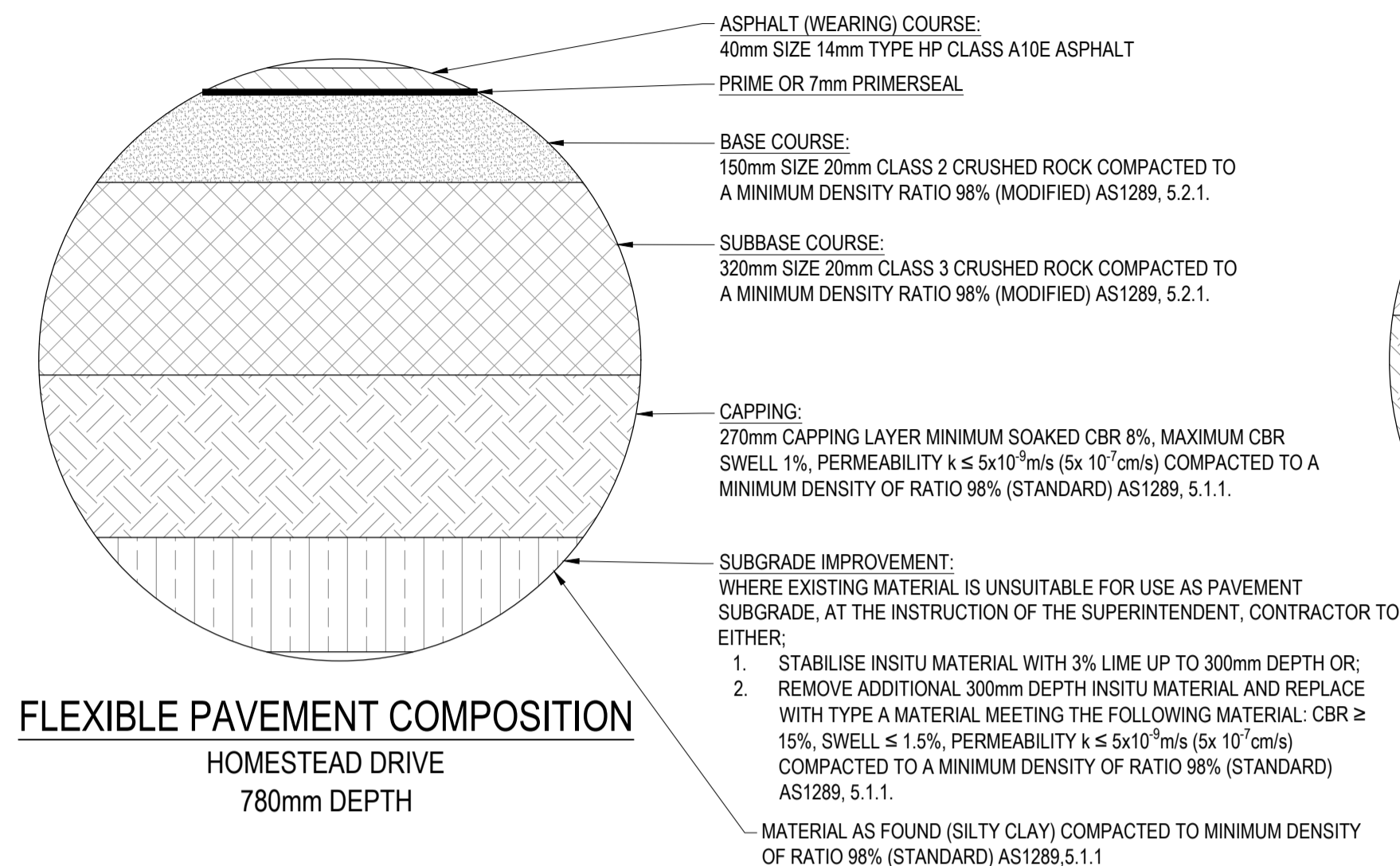
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R608</b>	<b>0</b>

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**

The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works

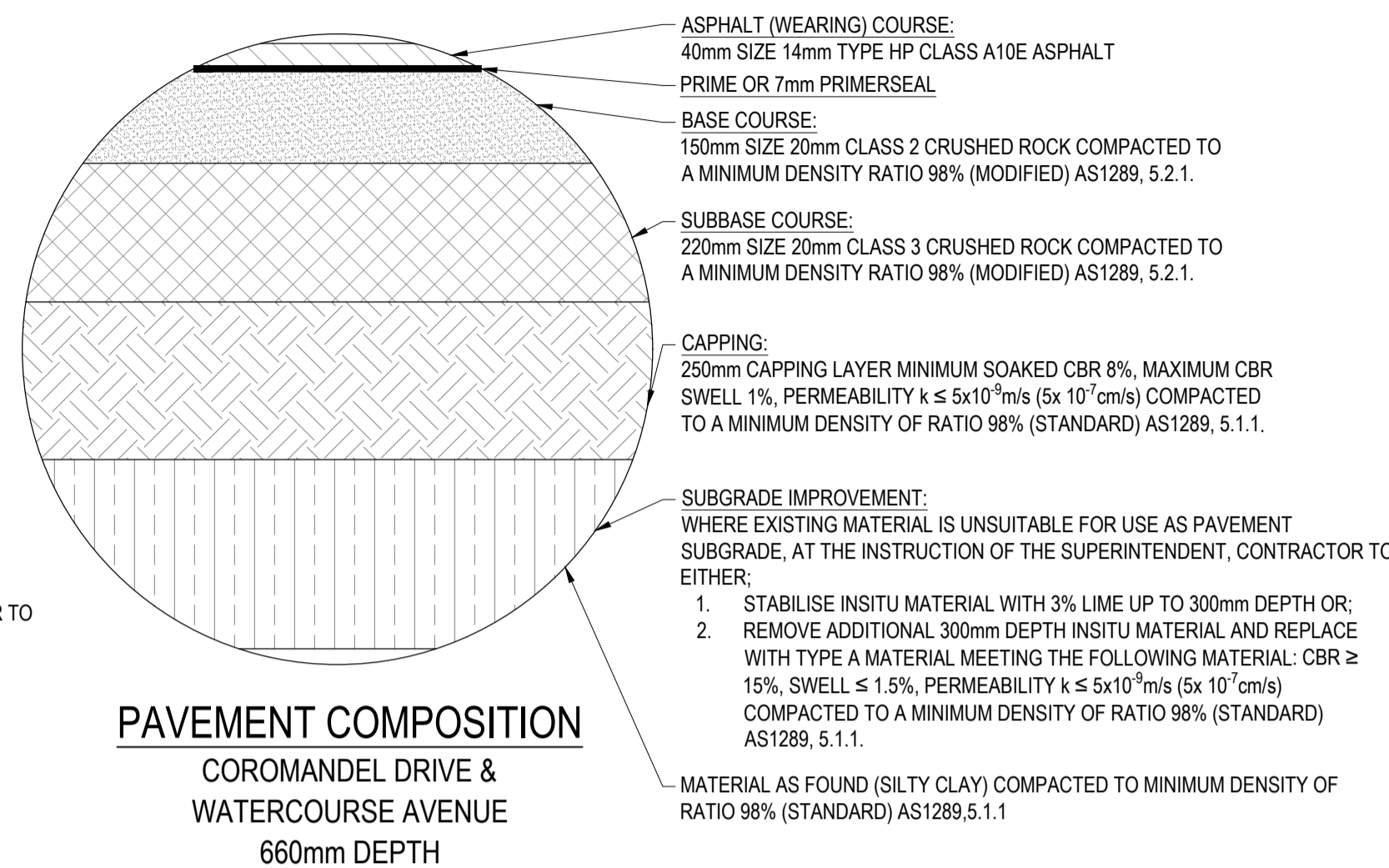
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

**PAVEMENT NOTE**  
THE CITY OF GREATER GEELONG DOES NOT ACCEPT UTILISATION OF RECYCLED CONCRETE WITHIN PAVEMENT LAYERS



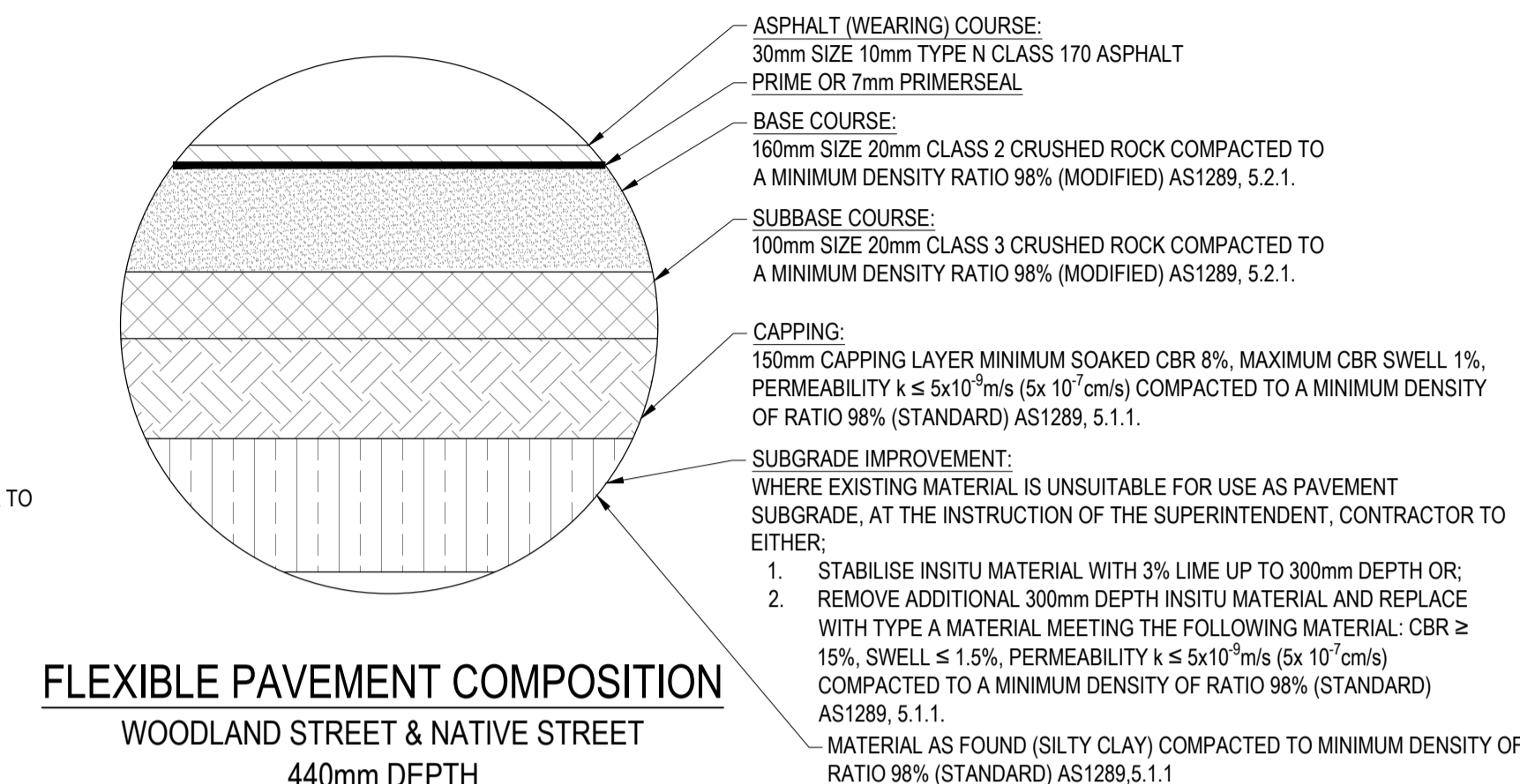
**FLEXIBLE PAVEMENT COMPOSITION**

HOMESTEAD DRIVE  
780mm DEPTH



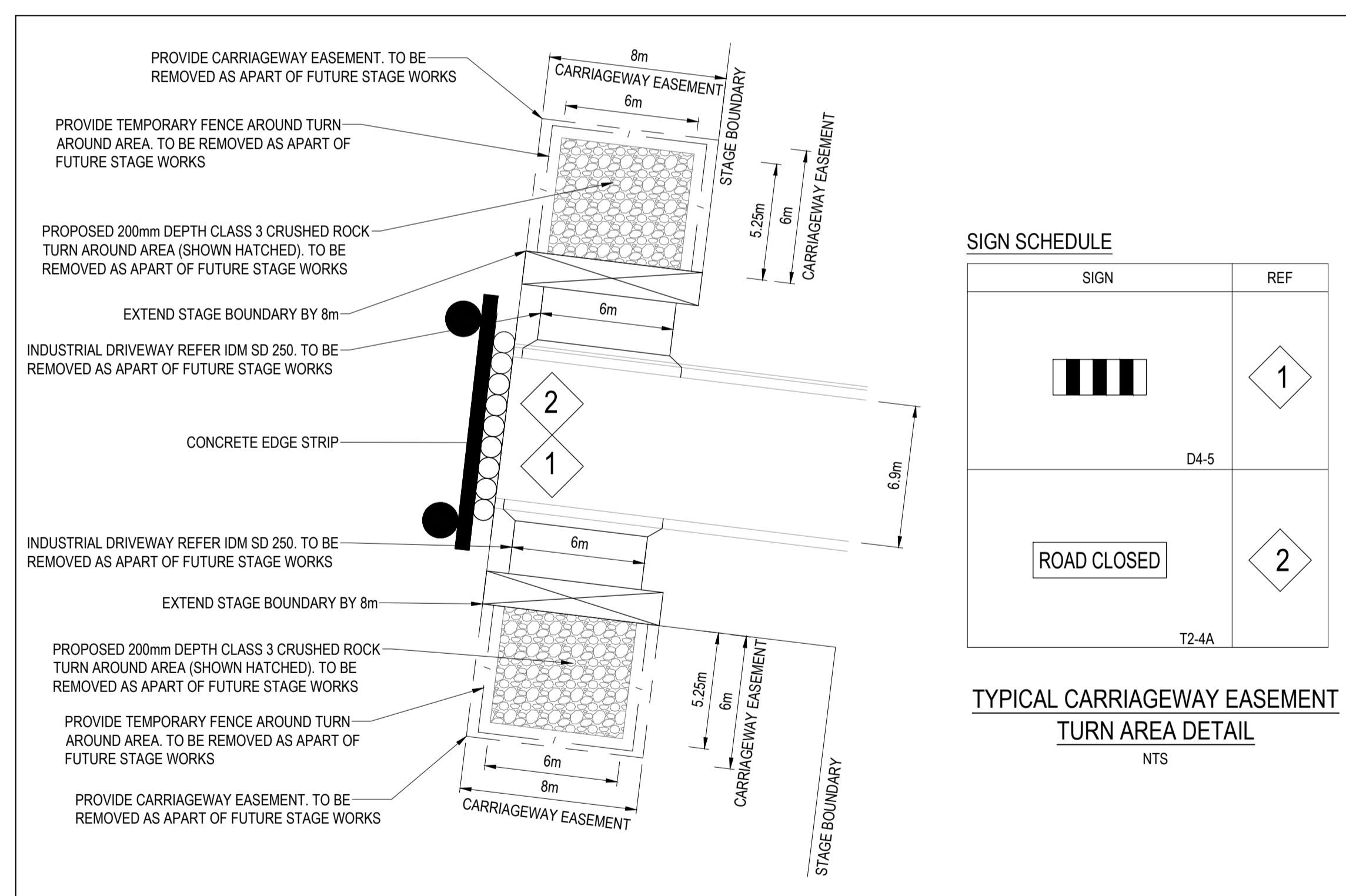
**PAVEMENT COMPOSITION**

COROMANDEL DRIVE &  
WATERCOURSE AVENUE  
660mm DEPTH



**FLEXIBLE PAVEMENT COMPOSITION**

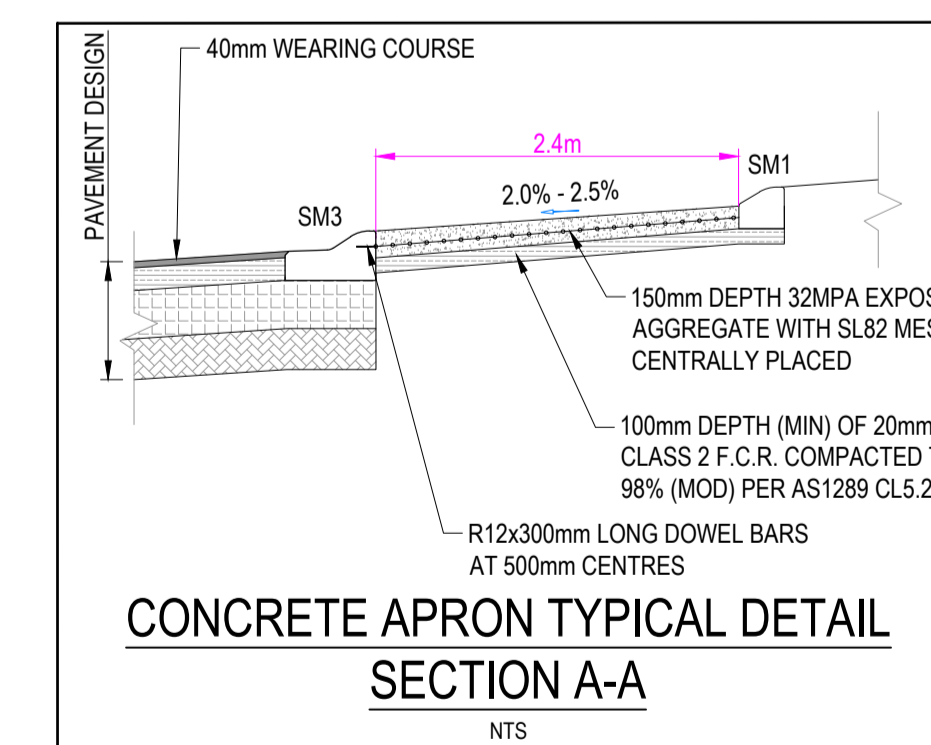
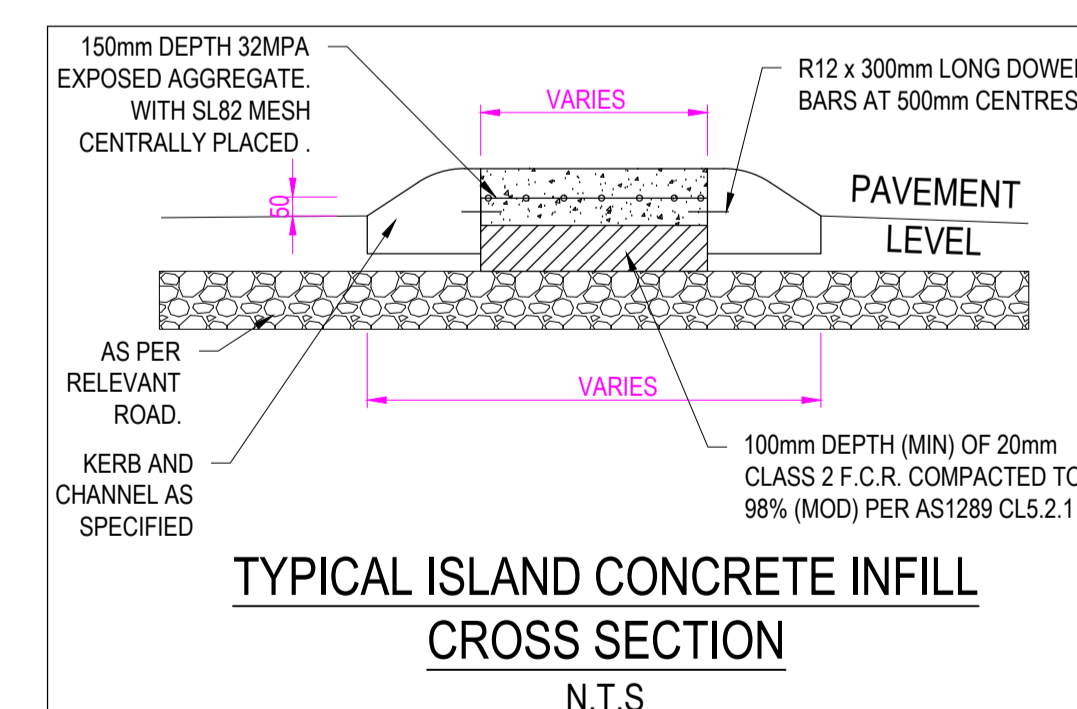
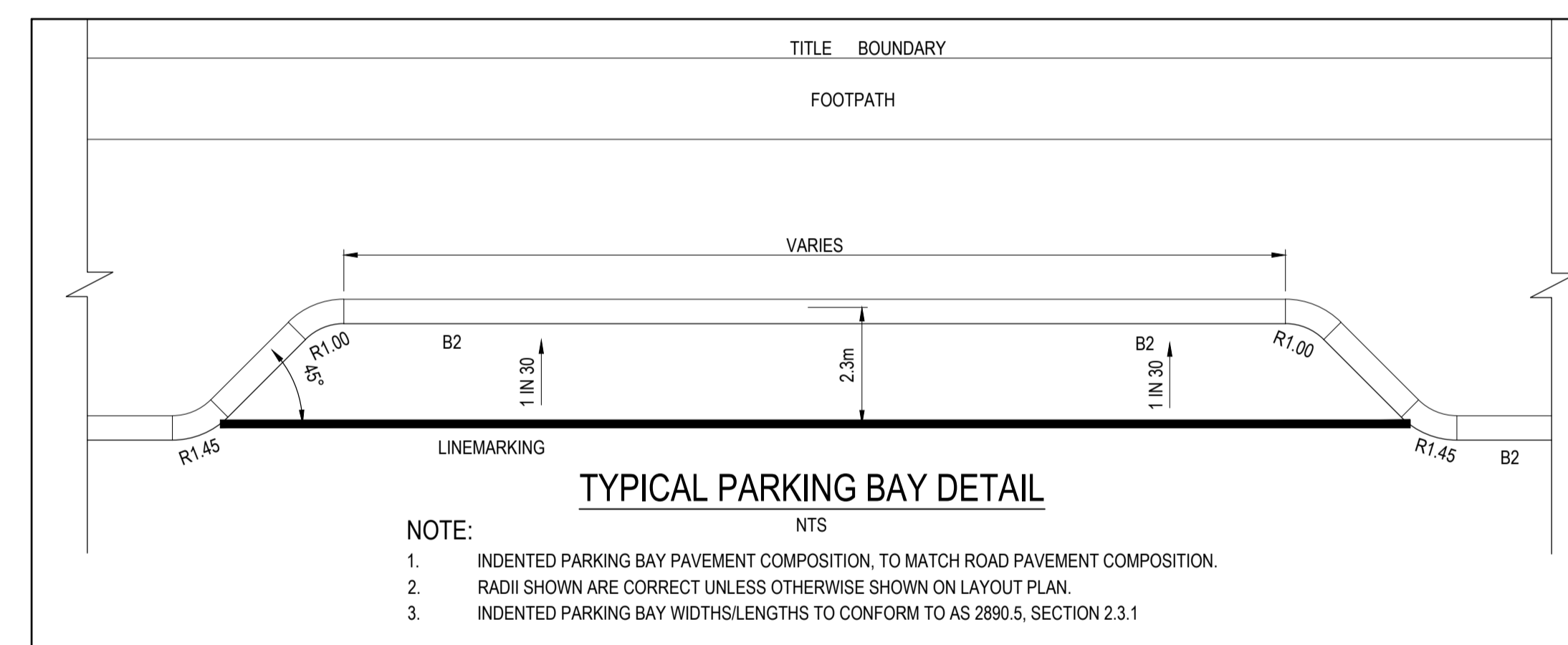
WOODLAND STREET & NATIVE STREET  
440mm DEPTH



**SIGN SCHEDULE**

SIGN	REF
	1
	D4-5
	2
	T2-4A

**TYPICAL CARRIAGEWAY EASEMENT TURN AREA DETAIL**  
N.T.S



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE

**villawood properties**  
Communities Designed for Living

**creo CONSULTANTS**  
Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**Coridale**  
LARA

**CORIDALE ESTATE - STAGE 9A**  
**TYPICAL DETAILS - 1**  
PLANNING PERMIT No: PP-496-2018

**ISSUED FOR CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R700</b>	<b>0</b>

**WARNING**

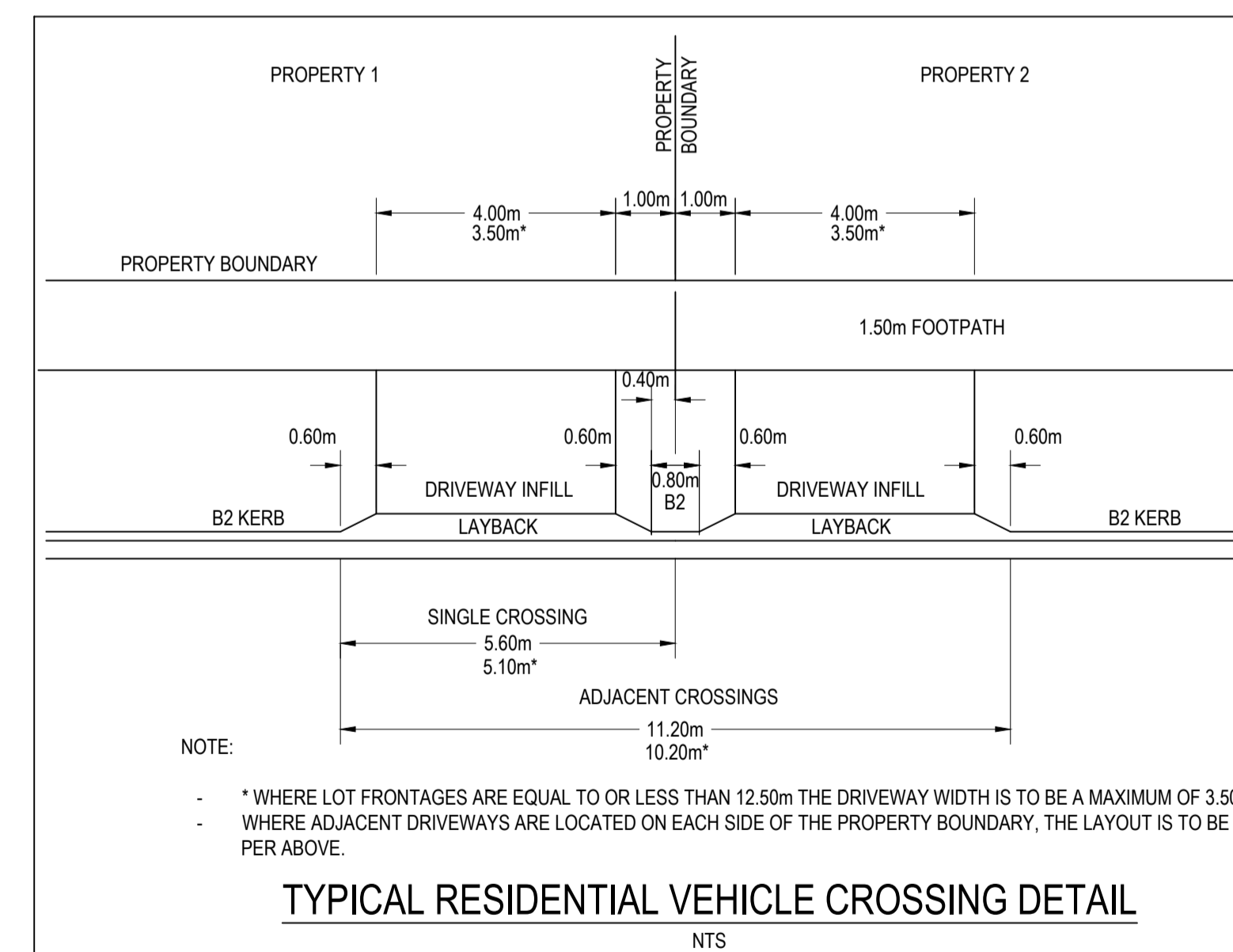
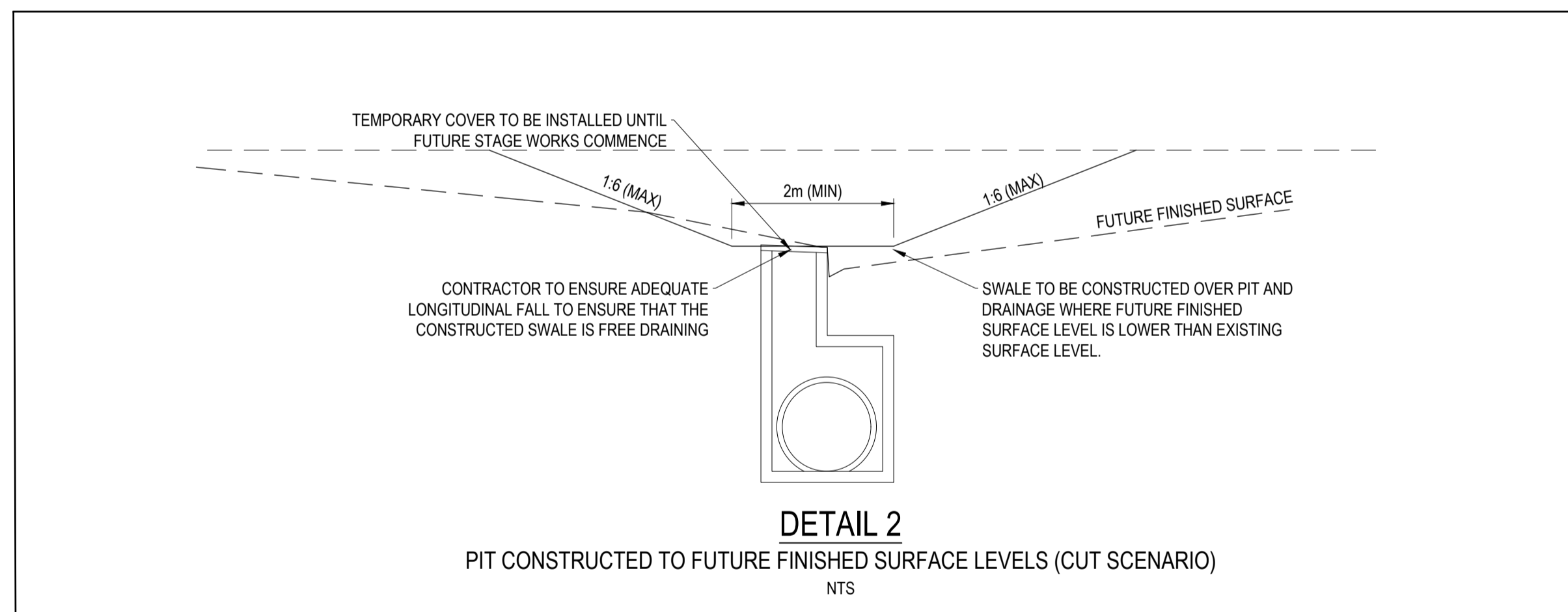
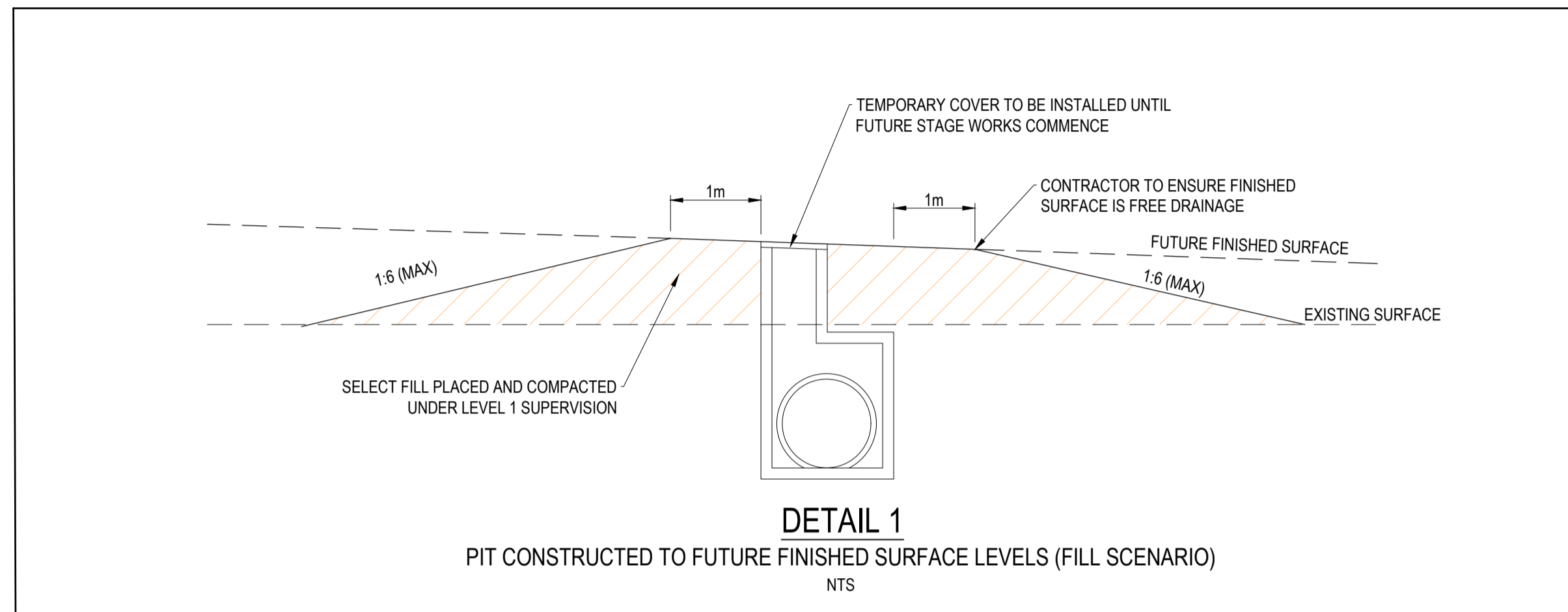
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**DIAL 1100 BEFORE YOU DIG**

www.1100.com.au

CROSSOVER SCHEDULE			
LOT NO.	CROSS OVER WIDTH (m) (AT BOUNDARY)	CROSS OVER OFFSET (m)	CROSS OVER LOCATION
901 (ALREADY CONSTRUCTED)	4	1	EAST BL
902	4	1	EAST BL
903	4	1	WEST BL
904	4	1	EAST BL
905	4	1	SOUTH BL
906	3.7	0.8	NORTH BL
907	3.7	0.8	EAST BL
908	4	1	EAST BL
926	4	1	EAST BL
927	4	1	WEST BL
928	4	1	WEST BL
929	4	1	WEST BL
930	4	1	WEST BL
931	4	1	WEST BL
932	4	1	WEST BL
933	4	1	NORTH BL
934	4	1	NORTH BL
935	4	1	WEST BL
936	4	1	EAST BL
937	3.7	0.8	WEST BL
938	4	1	EAST BL
939	3.7	0.8	EAST BL
940	4	1	EAST BL
941	4	1	WEST BL
942	4	1	EAST BL
943	4	1	EAST BL
944	4	1	WEST BL
945	4	1	EAST BL
946	4	1	EAST BL
952	4	1	EAST BL
953	4	1	WEST BL
954	4	1	NORTH BL
955	4	1	NORTH BL
956	4	1	NORTH BL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.RHODE	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

PROJECT

L A R A

DRAWING TITLE

**CORIDALE ESTATE - STAGE 9A  
TYPICAL DETAILS - 2**

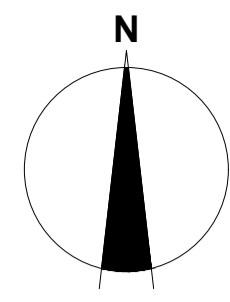
PLANNING PERMIT No: PP-496-2018

STATUS

**ISSUED FOR  
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R701</b>	<b>0</b>





FUTURE  
STAGE 18

FUTURE  
STAGE 10

FUTURE  
STAGE 14

FUTURE  
STAGE 9B

EXISTING  
STAGE 17A

EXISTING  
STAGE 17A

FUTURE  
STAGE 9B

EXISTING  
STAGE 17A

FUTURE  
DEVELOPMENT  
(BY OTHERS)

**LEGEND**  

 1.8m HIGH CAPPED TIMBER PALING FENCE  
 INCLUDING 190 x 35 H4 TREATED PINE PLINTH



CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

**GREATER GEELONG CITY COUNCIL**  
 PLANNING ENVIRONMENT ACT 1987  
 GREATER GEELONG PLANNING SCHEME

Endorsed Plan  
 Planning Permit No: PP-496-2018 Cert 15528  
 Sheet 29 of 29  
 Approved By Mehdi Hossini  
 Approved Date 1/08/2022

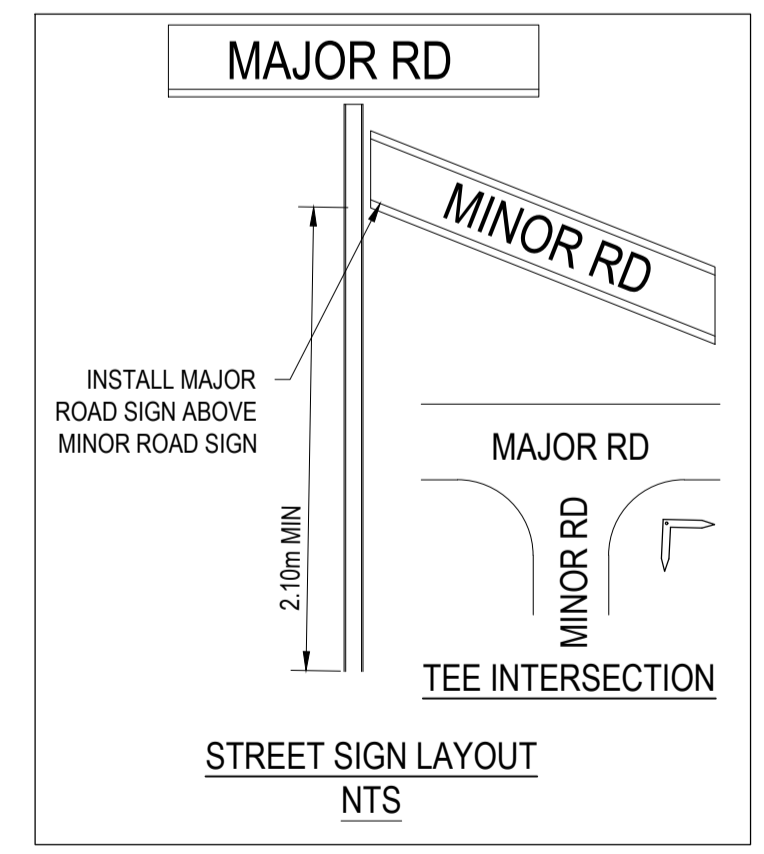
**NOTE: THIS IS NOT A BUILDING APPROVAL**

**SIGN SCHEDULE**

SIGN	REF	QUANTITY	SIGN	REF	QUANTITY
	1	REFER TABLE		6	2No.
STREET SIGN (G5 SERIES)					
	2	6No.		7	1No.
ROAD CLOSED	3	5No.		8	1No.
	4	2No.		9	8No.
	5	2No.		10	4No.

**STREET SIGN SCHEDULE**

HOMESTEAD DR	2No.
WATERCOURSE AVE	1No.
CAROMANDEL DR	3No.
WOODLAND ST	1No.
NATIVE ST	1No.



**LINEMARKING & SIGNAGE 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 CGG710 - 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	DESIGNED	APPROVED
0	20/07/22	ISSUED FOR CONSTRUCTION	I.HOGAN	C.ROHDE	M.TROUNCE



**CORIDALE ESTATE - STAGE 9A  
SIGNAGE & LINEMARKING**

PLANNING PERMIT No: PP-496-2018

**ISSUED FOR  
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	MAY 2021
PROJECT No.	DRAWING No.	REVISION
<b>180014.9A</b>	<b>R800</b>	<b>0</b>