# **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.
- 2. 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. 3. 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 3.2. METRES OR DEEPER.
- 3.3. 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 7. 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.
- 9. 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.
- 10. NO TOPSOIL TO BE REMOVED FROM SITE 11. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE
- SUPERINTENDENT. 12. 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 13. 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.
- 14. CUT AND FILL BATTER SLOPES ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE
- 15. ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED UNLESS STATED OTHERWISE. 16. ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
- 17. 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.
- 18. 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.
- 19. 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. 20. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL.
- 21. 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.
- 22. 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. 23. NO COMMUNICATION PITS ARE TO BE LOCATED IN THE FOOTPATH.
- 24. 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.
- 25. ALL PEDESTRIAN CROSSINGS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL SD200. 26. ALL STREET SIGNS TO BE IN ACCORDANCE 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.
- 27. 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.
- 28. 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. 29. 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. 30. ALL SUMPS IN PRECAST CONCRETE PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE
- OUTLET PIPE, UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR. 31. CITY OF GREATER GEELONG REQUIRES CCTV OF ALL DRAINAGE PIPES AND PITS, PRIOR TO THE ISSUE OF THE STATEMENT OF COMPLIANCE

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
2	11/10/22	NECTAR DR & WANDERLUST DR LIMIT OF WORKS REALIGNED	K.MCKELVIE	M.TROUNCE	M.TROUNCE	properties	
1	06/06/22	COUNCIL AMENDMENTS (DATED 06/06/22)	M.TROUNCE	M.TROUNCE	M.TROUNCE		Suite
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Geel
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		
A	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

# **ARMSTRONG ESTATE STAGE 69**

# **CITY OF GREATER GEELONG**



Drawing No.	
R100	
R200	
R300	I
R301	I
R302	
R400	ROAI
R401	ROAI
R500	F
R501	F
R502	R
R503	R
R504	R
R505	R
R600	DRAINA
R601	DRAINA
R602	DRAINA
R603	
R700	
R701	
R702	RETAIN
R703	RETA
R800	SIG
R900	

PSM POINTS & LOCATIONS								
Name	Easting	Northing	RL					
PM (CONEWARRE) NO 111	266829.4570	5765296.3140	25.4000					
PM (DUNEED) NO 195	266922.2960	5766460.5990	38.7760					
PM (CONEWARRE) NO 96	267095.7860	5767424.7190	31.7040					

TBM POINTS & LOCATIONS									
Name Type Easting Northing RL									
TBM 16	STAR PICKET	264532.5750	5766256.6120	44.7700					
TBM 17	STAR PICKET	264565.4400	5766525.6010	48.6700					
TBM 18	STAR PICKET	264591.9500	5766689.5830	54.1400					

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.

PROJECT





DRAWING TITLE

**ARMSTRONG ESTATE - STAGE 69 COVER SHEET** 

STATUS

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL **GREATER GEELONG CITY COUNCIL PLANNING ENVIRONMENT ACT 1987 GREATER GEELONG PLANNING SCHEMI** Endorsed Plan Planning Permit No: PP-282-2019 Sheet 1 of 23 Approved By Daniel Cromberge Approved Date 27/10/2022

### Certification No: 15600

NOTE: THIS IS NOT A BUILDING APPROVA

### Sheet List Table **Drawing Title** Revision $\sim \sim$ COVER SHEET LAYOUT PLAN **INTERSECTION DETAILS - 1** 0 INTERSECTION DETAILS - 2 0 INTERSECTION DETAILS - 3 0 **AD LONGITUDINAL SECTIONS - 1** D LONGITUDINAL SECTIONS - 2 **ROAD CROSS SECTIONS - 1** Ő ROAD CROSS SECTIONS - 2 0 ROAD CROSS SECTIONS - 3 0 ROAD CROSS SECTIONS - 4 **ROAD CROSS SECTIONS - 5 ROAD CROSS SECTIONS - 6** AGE LONGITUDINAL SECTIONS - 1 AGE LONGITUDINAL SECTIONS - 2 AGE LONGITUDINAL SECTIONS - 3 DRAINAGE PIT SCHEDULE **TYPICAL DETAILS CROSS OVER DETAILS** 0 NING WALL LAYOUT PLAN & LONG 0 SECTION AINING WALL TYPICAL DETAILS 0 GNAGE & LINEMARKING PLAN 2 DRAINAGE LAYOUT PLAN

### 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

<b>ISSUED FOR</b>
CONSTRUCTION

05.LETATAT     DIGITAT     DIGITAT       1:2000 @ A1     C.ROHDE     C.ROHDE       PROJECT ENGINEER     PROJECT MANAGER     DATE FIRST ISSUE       M. TROUNCE     M. TROUNCE     FEBRUARY 2022       PROJECT No.     DRAWING No.     REVISION	180016.6	R10	0	2		
OSALE AT ATDIGUNADEGISITED1:2000 @ A1C.ROHDEC.ROHDEPROJECT ENGINEERPROJECT MANAGERDATE FIRST ISSUEM. TROUNCEM. TROUNCEFEBRUARY 2022	PROJECT No.		DRAWING No.		REVISION	
Distant     Distant       1:2000 @ A1     C.ROHDE       PROJECT ENGINEER     PROJECT MANAGER	M. TROUNCE	M. <sup>-</sup>	TROUNCE	FEB	RUARY 2022	
1:2000 @ A1 C.ROHDE C.ROHDE	PROJECT ENGINEER	PROJECT N	IANAGER	DATE FIRST ISSUE		
	1:2000 @ A1	С	.ROHDE	C.ROHDE		
SCALE AT A1 DRAWN DESIGNED	SCALE AT A1	DRAWN		DESIGNED		



		GAS		RECYCLED WATER		POTABLE WATER		OPTIC FIBRE		ELECTRICITY		PUBLIC LIGHTING	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	
F JOURNEY CRESCENT)	N	2.10	N	2.55	N	3.20	S	1.80	S	2.50	S	1.00*	
DF JOURNEY CRESCENT)	N	2.10	N	2.70	N	3.50	S	1.80	S	2.50	S	1.00*	
EAST OF LOT 6939)	S	1.80	S	2.40	S	3.20	S	4.10	S	4.80	S	1.00*	
SOUTH OF LOT 6939)	W	1.80	W	2.40	W	3.15	E	1.80	E	2.50	E	1.00*	
	E	2.10	E	2.55	E	3.00	W	1.80	W	2.50	W	1.00*	
	N	1.80	N	2.25	N	2.75	S	1.80	S	2.50	S	1.00*	

# **ISSUED FOR** CONSTRUCTION

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www.1100.com.au									
 SCALE AT A1		DESIGNEI	D						
1:500 @ A1	с	.ROHDE	C.ROHDE						
PROJECT ENGINEER	PROJECT N	MANAGER	DATE FIRST ISSUE						
M. TROUNCE	M. <sup>-</sup>	TROUNCE	FEB	RUARY 2022					
PROJECT No.		DRAWING No.		REVISION					
180016.6	<b>59</b>	R20	0	1					

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

	Endorsed Plan Planning Permit No: PP-282-2019
	Sheet 2 of 23 Approved By Daniel Cromberge
	Certification No: 15600
CONNECT TO EXISTING DRAINAGE ENDPIPE 3000 B2 EX2EP 3000 8448 55 55 55 10.92 10	<ul> <li>NOTES:</li> <li>ALL VEHICLE AND PRAM CROSSING LAYBACKS, TO BE MINIMUM OF 1.0m FROM PITS.</li> <li>ALL PRAM CROSSINGS TO BE A MINIMUM 2.0m FROM VEHICLE CROSSINGS.</li> <li>ALL PRAM CROSSINGS TO BE DDA COMPLIANT.</li> <li>VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF LANDSCAPE WORKS.</li> <li>THE USE OF DIRECTIONAL AND HAZARD TACTILE PAVERS MUST ACCORD WITH SECTION 2.2.3.1 OF AS/NZS 1428.4:2002.</li> <li>SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE, TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH.</li> <li>CHAINAGES FOR SETOUT OF PROPERTY INLET POINTS, SERVICING FUTURE LOTS, ARE MEASURED FROM THE DOWNSTREAM PIT.</li> <li>CONTRACTOR TO LOCATE ALL EXISTING ASSETS PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO EXISTING ASSETS TO BE RECTIFIED AT CONTRACTORS EXPENSE.</li> <li>CONTRACTOR TO VERIFY DEPTH OF EXISTING SERVICES, PRIOR TO COMMENCEMENT OF CONSTRUCTION.</li> </ul>
EXISTING CATCH DRAIN TO BE EXCAVATED TO A SOUND BASE , FILLED AND COMPACTED WITH SELECT MATERIAL TO THE SATISFACTION OF THE SUPERINTENDENT	NOTE: STREET TREE LOCATIONS SHOWN ARE INDICATIVE ONLY. ULTIMATE LOCATION IS TO BE PROVIDED/CONFIRMED BY LANDSCAPE ARCHITECTS
G EDGE STRIP, B BARRIER LY INTO NUCTION BE ASE, FILLED LECT CTION OF DUE STRIP, CODE STRIP	
	WARNING BEWARE OF UNDERGROUND & OVERHEAD SERVICES

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

GREATER GEELONG CITY COUNCIL

PLANNING ENVIRONMENT ACT 1987

**GREATER GEELONG PLANNING SCHEME** 



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
						VIIICIVUJC	
						properties	Suite 1
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Geelor
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	unders 2019 streache State Anders State State (1996) State 2000 streache Streache Streache Streache Streache St	
A	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		



A2 264622.53 5766428.13 44.59

CURVE NO I RAD. ARC A B X Y I MID POINT RL

A1 - A2 90 8.6 13.509 2.519 1.864 3.291 2.79 3.377 44.457



B1 264634.713 B2 264634.713		4.418	57664 57664	17.748	44.325			
CUR\	/E NO	l	RAD.	ARC	A	B	X	
B1 - I	B2	90	8.6	13.509	2.519	1.864	3.29	



CURVE NO I RAD. ARC A B X Y I MID POINT RL C1 - C2 91.12 8.6 13.677 2.579 1.908 3.33 2.81 3.419 45.418

PROJECT

C2 264584.592 5766449.039 45.536

		CH2.032 RL45.453	
VERTICAL GEOMETRY DATUM RL44	-3.33%	L= 5m VC -3.33%	-6.27%
DESIGN LEVEL		45.536 45.520 45.435	45.296 45.058
EXISTING SURFACE		45.786 45.761 45.647	45.493 45.257
CHAINAGE		-0.467 0.000 2.032	4.532 8.341
	ALIGNMENT D		LIP LINE D
	PT NO EASTING D1 264591.245 D2 264591.19 D3 264598.54	NORTHING 5766448.244 5766447.78 1 5766438.241	RL 45.536 45.52 44.845
	CURVE NO	RAD. ARC	А В Х





DRAWING TITLE

CHAINAGE

**ARMSTRONG ESTATE - STAGE 69 INTERSECTION DETAILS - 1** 





ALIGNMENT E

PT NO EASTING NORTHING RL E1 264590.053 5766589.772 50.152 E2 264578.743 5766594.244 50.489

CURVE NO I RAD. ARC A B X Y I MID POINT RL

E1 - E2 90 8.6 13.509 2.519 1.864 3.291 2.79 3.377 50.377



CHAINAGE

ALIGN	MENIF	-								
PT NO F1 F2	EASTI 264600 264590	NG 0.673 6.201	NORTH 576660 576659	HING )3.747 )2.436	RL 50.429 50.152					
CURVE F1 - F2	E NO 2	l 90	RAD. 8.6	ARC 13.509	A 2.519	B 1.864	X 3.291	Y 2.79	l 3.377	MID POI 50.367



PT NO EASTING NORTHING RL G1 264622.915 5766620.687 50.713

G2 264627.387 5766631.997 51.425

CURVE NO I RAD. ARC A B X Y I MID POINT RL

G1-G2 90 8.6 13.509 2.519 1.864 3.291 2.79 3.377 51.046

PROJECT

			CH2 RL51	5 1.335		
VERTICAL GEOMETRY DATUM RL50	-3.57%	-3	L= 5m VC	>	-2.28%	
DESIGN LEVEL		51.425	51.343	51.278		51.198
EXISTING SURFACE		51.962	51.883	51.817		51.758
CHAINAGE		0.000	2.500	5.000		8.509
				LIP	LINE F	1

(H1

ALIGNI	MENT F	ł						
PT NO H1 H2	EASTIN 264633 264644	NG 3.534 4.845	NORTH 576663 576663	HNG 34.661 30.19	RL 51.425 51.129			
CURVE H1 - H	E NO 2	l 90	RAD. 8.6	ARC 13.509	A 2.519	B 1.864	X 3.291	Y 2.7





DRAWING TITLE

**ARMSTRONG ESTATE - STAGE 69 INTERSECTION DETAILS - 2** 

STATUS



I MID POINT RL 





(F2)

CH13.509 RL50.152

-3.33%











**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







GREATER GEELONG CITY COUNCIL

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

Endorsed Plan

Planning Permit No: PP-282-2019



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
						VIIAWOOD	
						properties	
							Suite
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Geelo
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	understation arterior vertres investig and us devices a submer 🖉 Sand Radial Charles and I Card Philipping and 🖉 S	
Α	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

DATUM RL53 DESIGN LEVEL

CHAINAGE



ALIGN	IMENT I		
PT NC	EASTING	NORTHING	RL
11	264610.651	5766688.513	53.512
12	264610.115	5766691.826	53.621
13	264615.421	5766701.521	53.83
14	264620.622	5766703.775	53.892

CURVE NO I	RAD. ARC	A E	в х	Y	I MID POINT RL
12 - 13 75.765 9	11.901 1.897	1.409 2	2.921 2.605	2.975	53.765

PROJECT

DATUM RL53 DESIGN LEVEL EXISTING SURFACE

VERTICAL GEOMETRY

CHAINAGE

		J	1	)		
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				C F	2H2.9 RL53	5 .864
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		54 004	<b>100.40</b>	52 007	188.00	53 071
			0.000	2 E00	00C.2	5 000

ALIGNI	MENT、	J			
PT NO J1 J2	EASTI 26462 26461	NG 2.571 7.265	NORT 57666 57666	HING 99.279 89.584	Ę
CURVE J1 - J2	E NO	l 75.765	RAD. 9	ARC 11.901	





DRAWING TITLE

**ARMSTRONG ESTATE - STAGE 69 INTERSECTION DETAILS - 3** 

STATUS





LIP LINE J

RL 53.892 53.512

A B X Y I MID POINT RL 1.897 1.409 2.921 2.605 2.975 53.735

	SCALE AT A1	DRAWN		DESIGNED	
	AS SHOWN C.F		ROHDE	(	C.ROHDE
ISSUED FOR	PROJECT ENGINEER	PROJECT N	PROJECT MANAGER		ST ISSUE
CONSTRUCTION	M. TROUNCE	TROUNCE	FEB	RUARY 2022	
	PROJECT No.	-	DRAWING No.		REVISION
	180016.6	R30	2	0	



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	.646	.754	067	106.	.094		- 1 1	563		878
ACK OF KERB	45	45	11	0 <del>1</del>	46		40	46	46 46	46
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NG SURFACE	45.8	46.(		40.4	46.4		40.0	46.8	40.04	47.(
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT		
							properties	
1	11/10/22	NECTAR DRIVE LONG SECTION AMENDED	K.MCKELVIE	M.TROUNCE	M.TROUNCE		properties	
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		Communities Designed for Living	
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		unders Differ ammunfer gebonanter genot-til beendus is inskilling i 🗨 universitetetetetetetetetetetetetetetetetetete	
А	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE			





PROJECT

**ARMSTRONG ESTATE - STAGE 69 ROAD LONGITUDINAL SECTIONS - 1** 

DRAWING TITLE

STATUS



ISSUED FOR	PROJECT EI
CONSTRUCTION	М. Т
	PROJECT No

SCALE AT A1	DRAWN		DESIGNED	)
AS SHOWN	C.ROHDE		C.ROHDE	
PROJECT ENGINEER	PROJECT N	MANAGER	DATE FIRST ISSUE	
M. TROUNCE	M. <sup>-</sup>	TROUNCE	FEBRUARY 2022	
PROJECT No.		DRAWING No.		REVISION
180016.6	<b>69</b>	R40	0	1

	$\bigcirc$		
	IT	PROPOSED WORKS	
ADJOINING DEVELOPMENT FUTURE DESIGN LEVELS - BY OTHERS			COMPA REFE
VERTICAL GEOMETRY	V		.3.33 %
HORIZONTAL GEOMETRY			
DATUM RL41			
DESIGN CENTRELINE	46.476	46.210- 46.128- 46.076- 45.876-	45.712- 45.697-
RIGHT BACK OF KERB	46.475	46.208 46.127 46.075 46.075 45.875	45.710 45.695
LEFT BACK OF KERB	46.475	46.208 46.127 46.075 46.075 45.875	45.710 45.695
EXISTING SURFACE	46.434	46.255 46.187 46.144 46.144 45.950	45.768 45.751
CENTRELINE DEPTH	-0.043	0.046 0.059 0.068 0.068	0.057 0.054
CHAINAGE	52.000	60.000 62.440 64.000 70.000	74.940
	OF WORKS	,	GENT POINT

LIMIT

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT
						VIIIAVOJA
						properties
1	11/10/22	WANDERLUST DRIVE LONG SECTION AMENDED	K.MCKELVIE	M.TROUNCE	M.TROUNCE	
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	namenia unternativana estatutaria enter genera - Li secenziari 5 - Mallining L 🖤 a Profuede de la negación - Mallado de de de la secencia de la s
А	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE	







CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

GREATER GEELONG CITY COUNCIL PLANNING ENVIRONMENT ACT 1987

ON	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
							VIIIUVVUJU
							properties
	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		Communities Designed for Living
	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		
	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

CH 57.475	(RIGHT	TANGENT	POINT)

CH 97.469

				CH	1 81.375 (RIGHT <sup>-</sup>	TANGENT POINT)
	~	<u>1 in 6</u>	1 in 50	Q100 RL= 50.57	1 in 30	— <u> </u>
DATUM49.0		LBL				
DESIGN SURFACE	51 110 51	50.777	50.747	50.599 50.446 50.448	50.601	50.489 50.5999 50.5999
EXISTING SURFACE	£1 013	50.983	50.939	50.802 50.798 50.797	50.685	50.583 50.583 50.583 50.583 50.583
OFFSET	11 OF3	000.6-	-7.500	000 900 900 900 900 900 900 900 900 900	0.000	0 3.3500 3.35000 3.3500 3.35000 3.35000 3.35000 3.35000 3.35000 3.35000 3.35000 3.350000 3.350000000000

		1 in 6						
			1 in 5	0	Q100 1 in 25	D RL= 50.51		1 in 30
DATUM49.0	2	28 	718 LBL	388		430 440 433040 433040	541	55835 66695 6675 6675 6675 6675 6675 6675 66
DESIGN SURFACE	2		20.	20.		20202	20.	22222
EXISTING SURFACE		51.43:	51.286	51.23		51.100 51.090 51.087 51.087	50.976	50.867 50.867 50.865
OFFSET		-13.000	000.6-	-7.500		900 900 900 900 900 900 900 900 900 900	0.000	3.350 3.650 3.8600 3.8600 3.3800

DATUM49.0									
DATUM49.0			1 in 6	1 in 50	Q100 RL=	= 50.64	1 in 30	1 in 25	1- <del>in 5</del> 0
	DATUM49.0		LBL		Ę				RBL
DESIGN SURFACE 15 16 16 16 16 16 16 16 16 16 16 16 16 16	DESIGN SURFACE	ע ע ע ע ע		50.819	50.671	50.521 50.561	50.672	50.561 50.521 50.671	50.819
EXISTING SNLEACE	EXISTING SURFACE	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20-10-10-10-10-10-10-10-10-10-10-10-10-10	51.463	51.325	51.320	51.186	51.066 51.058 51.055 51.055	50.945
OFFSET 000000000000000000000000000000000000	OFFSET	, , , , , , , , , , , , , , , , , , ,		-7.500	000 6,0 000 000 000 000 000	200 200 200 200 200 200 200 200 200 200	0.00	0000 8080 8080 8080 8080 8080 8080 808	7.500

# 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



50.699 50.692

9.000 9.254

42

20

500

	1 in 50	Q100 RL= 50.21 -	1 in 30	1 in 30 1 in 25	1 in 50	
DATUM50 0	ЕВ					RBL
DESIGN SURFACE	51.417 - 51.387 -	51.239 51.239 51.209	51.241 -	51.2399+ 51.2399+ 51.2399+	51.387 -	51.417
EXISTING SURFACE	51.917 51.865	51.736 51.736 51.720 51.720	51.598	51,456 51,455 51,5555 51,5555 51,5555 51,55555 51,55555555	51.306	51.260
OFFSET		າງ 1900 1900 1900 1900 1900 1900 1900 190	0.000	90000000000000000000000000000000000000	7.500	000.6
		CI	H 132.419 (LEFT TA	NGENT POINT)		



	1 in 50	1 in 25 Q100 F	RL= 51.261 in 30	1 in 30	<u>1 in 25</u>	1 in 50	
DATUM50.0	岜						RB
DESIGN SURFACE	51.471	51.441	51.293 51.143 51.183 51.183	51.295	51.183 51.293 51.293 51.293	51.441	51.471
EXISTING SURFACE	51.913	51.860	51.731 51.727 51.715 51.715	51.598	51.482 51.472 51.467	51.329	51.270
OFFSET	000.6-	-7.500	900 900 900 900 900 900 900 900 900 900	0000	0000 90000 90000 90000 90000	7.500	0 00 0 0





**ARMSTRONG ESTATE - STAGE 69** 

**ROAD CROSS SECTIONS - 1** 

\_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_

DRAWING TITLE

**NECTAR DRIVE** 

STATUS





DATUM49.0

OFFSET

PROJECT

ISSUED CONSTRI	) FOR JCTION	SCALE AT AT AS SHC PROJECT ENGINE M. TROU PROJECT No.	DWN Eer INCE	DRAWN C.I PROJECT M. M. T	ROHDE ANAGER ROUNCE DRAWING No.	DESIGNE DATE FIF	ED C.ROHDE RST ISSUE BRUARY 2022 REVISION
ISSUED CONSTRI	) FOR JCTION	AS SHC PROJECT ENGINE M. TROU	OWN Eer INCE	DRAWN C.I PROJECT M. M. T	ROHDE ANAGER ROUNCE	DESIGNE DATE FIF	ED C.ROHDE RST ISSUE BRUARY 2022
ISSUED	FOR	SCALE AT A1 AS SHC PROJECT ENGINE	)WN Eer	DRAWN C.I PROJECT M.	ROHDE	DESIGNE DATE FIF	ED C.ROHDE RST ISSUE
		AS SHC	)WN	DRAWN C.I	ROHDE	DESIGNE	C.ROHDE
		SCALE AT A1		DRAWN		DESIGNE	Ð
3.519 (LEFT TANGEN	IT POINT)						
0.000	33.50 33.650 35.650 35.050 35.6500 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.65000 35.650000 35.650000 35.6500000000000000000000000000000000000	7.500	9.000 9.264				
51.3	51.229 51.229 51.223 51.223	51.091	51.052 51.045				
357							

— — 1<del>-in 5</del>0-

1 in 25

### ...,

1 in 30

# CH 136.512 (LIMIT OF WORKS)



Q100 LEVEL





SELECT FILL

PLANNING ENVIRONMENT ACT 1987

**GREATER GEELONG PLANNING SCHEME** 

Endorsed Plan Planning Permit No: PP-282-2019

Sheet 8 of 23

Approved By Daniel Cromberge

### 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

					CH 49.280			
	_							
	_		1 in 50	1 in 25 Q100 RL= 46.66	1 in 30	1 in 301 in 25	1 in 50	
ח		LBL						RBL
וס		6.829	6.799	6.691 6.581 6.581	6.693	6.691+++ 6.691+++	6.799	6.829
		ا5 4	9	დიიდ 		2881272		
E	XISTING SURFACE	47.09	47.06	47.01 47.01 47.01 00	46.93	46.86 46.86 46.88 66.85 66.85 66.85 66.85 66.85 66.85 86 86 86 86 86 86 86 86 86 86 86 86 86	46.78	46.73
0	FFSET	-8.000	-6.500		0.000	3.350 3.000 3.000 3.000	6.500	8.000
					CH 35.867			
	_							
	_		1 in 50	1 in 25 Q100 RL= 46.06	1 in 30	1 in 30 1 in 25	<u>1 in 50</u>	)
П		LBL						ВР
ים		5.232	3.202	0.094 0.094 0.094 0.094 0.094			5.202	3.232
DI			94	4444 00000		2000 2000 2000 2000 2000 2000 2000 200		94
EX	XISTING SURFACE	46.618	46.580	46.511 46.501 46.490	46.413	46.327 46.316 46.316	46.241	46.196
0	FFSET	-8.000	-6.500		0.000	3.350 3.650 3.650 3.660	6.500	8.000
					CH 23.166			
	_							
	_		1 in 50	1 in 25 Q100 RL= 45.62	1 in 30	1 in 301 in 25	1 in 50	0
		E						ЯР
D	ATUM44.0	784	754	5396 5346 5366 5396 5396 5396 5396 5396 5396 539	348	246036 246036 24606	754	784 F
DI	ESIGN SURFACE	45.1	45.7	455.0 455.0	45.(	44455.44	45.7	45.1
EX	XISTING SURFACE	46.166	46.116	46.025 46.025 46.020 46.010	45.898	45.786 45.776 45.775 45.771	45.670	45.609
0	FFSET	9.000	-6.500		0.000	33.850 33.850 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.8000 33.80000 33.80000 33.80000000000	6.500	8.000
				С	H 12.186 (TANGEN	IT POINT)		
DATE	ISSUE DESCRIPTION		DRAWN	DESIGNED APPROVED	CLIENT			
					VI	awood		cr
						properties		CONSU Suite 1. 2 Pleamehury: Otract
0/05/22	CONSTRUCTION ISSUE			C.ROHDE M.TROUNCE	Commun	ities Designed for Li	iving	Geelong, VIC, Australia 3220
5/02/22	ISSUED FOR APPROVAL		C.ROHDE	C.ROHDE M.TROUNCE				

		1 in 50	Q100 RL= 47.22	<u>n 30 1 in</u>	301 in 251	<u>1 in</u>	50
DATUM46.0							
DESIGN SURFACE	47.389	47.359	47.251 47.101 47.141	47.253	47.141 47.151 47.251	47.359	47 380
EXISTING SURFACE	47.536	47.517	47,484 47,482 47,482 47,478	47.436	47.392 47.387 47.385 47.385	47.340	47 305
OFFSET	000.8-	-6.500		00000	3.850 3.850 3.860 3.860 3.860 3.860 3.8700 3.87000 3.87000 3.87000 3.87000 3.87000 3.87000 3.870000 3.87000000000000000000000000000000000000	6.500	000 8

Α

25/02/22 ISSUED FOR APPROVAL

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

CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY, READ IN ASCENDING ORDER ALONG THE RELEVANT

LONG SECTION CHAINAGES

NOTE

BEWAR The lo approximat No guarante all unde

1 in 50 <u>1 in 50</u> DATUM47.0 682 532 572 572 532 682 682 320 8 DESIGN SURFACE 48 48 848484 86868 84484 84864 48 48 48 .912 911 906 .847 .844 .843 .843 833 **60** 344 EXISTING SURFACE 49. 48,48 8,48,48 848.84 86.848 48. 48. 48 49 -3.800 -3.690 -3.350 3.350 3.650 3.800 3.800 -8.000 -6.500 6.500 0.000 OFFSET CH 100.780 Q100 RL= 48.28 1 in 25 \_\_\_\_\_1 in 50 1 in \_\_\_\_\_ 1 in 30 1 in 30 DATUM47.0 48.313 48.313 48.163 48.203 48.203 48.163 48.313 48.313 121 <del>1</del>51 DESIGN SURFACE 48. 10 48 \$ 18 48.575 48.575 48.575 48.575 48.574 .557 .557 .556 .556 386 551 581 541 EXISTING SURFACE 48. 878787 878787 48 48 48 48 -3.800 -3.690 -3.350 3.350 3.650 3.800 -6.500 500 OFFSET CH 86.779 Q100 RL= 47.95 – 1 in 50 in 30 <u>1 in 30</u> <u>1 in 25</u> \_\_\_\_ 1 in 30 DATUM47.0 47.984 47.984 47.834 47.874 47.874 47.834 47.984 47.984 122 DESIGN SURFACE 48. 48. 47 8 铃 48.143 48.140 48.139 48.139 48.138 48.211 48.210 48.209 48.206 48.113 48.236 48.115 48.114 250 174 EXISTING SURFACE 48. 48. -3.800 -3.690 -3.650 -3.350 3.350 3.650 3.800 000 -6.500 00 000 OFFSET CH 74.280 1 in 50 1 in 25 DATUM46.0 47.654 47.654 47.504 47.504 47.544 47.544 47.504 47.654 47.654 92 62 62 DESIGN SURFACE 47 47 47 1 47 47.739 47.737 47.736 47.736 47.735 47.804 47.803 47.803 47.803 .712 .842 47.829 EXISTING SURFACE 47. 47. 47. 47 -3.800 -3.690 -3.650 -3.350 3.350 3.650 3.800 -8.000 -6.500 500 80 80

CH 61.780

DRAWING TITLE



OFFSET

PROJECT



# **ARMSTRONG ESTATE - STAGE 69**

**ROAD CROSS SECTIONS - 2 COMPANION STREET - SHEET 01** 

WARNING	CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL
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	GREATER GEELONG CITY COUNCIL PLANNING ENVIRONMENT ACT 1987 GREATER GEELONG PLANNING SCHEME Endorsed Plan Planning Permit No: PP-282-2019 Sheet 9 of 23 Approved By Daniel Cromberge
	Approved Date 27/10/2022 NOTE: THIS IS NOT A BUILDING APPROVAL
	Certification No: 15600
<u>1 in 50</u>	ECCLIND     EXISTING SURFACE     DESIGN LINE     Q100 LEVEL     SELECT FILL
48.820 48.846 48.846	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
48.844	
8 8.153	
<u>1 in 50 + in 6</u>	
2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	
48.48	
5 48.53	
8.00	
1 in 50 48.114 48.114 8.114 8.114	
48.115 48.114	
88 0000 0000	
<u>1 in 50 1 in 10</u>	
84 55	
97 47.7 84 47.6	
72 47.6	
8.00 9.0 <u>7</u>	
STATUS	SCALE AT A1     DRAWN     DESIGNED       AS SHOWN     C.ROHDE     C.ROHDE
	PROJECT ENGINEER PROJECT MANAGER DATE FIRST ISSUE M. TROUNCE M. TROUNCE FEBRUARY 2022
CONSTRUCTION	PROJECT No.
	10UU10.09   K5U1   U

EXISTING SURFACE

OFFSET

DESIGN SURFACE

DATUM48.0

\_\_\_\_

OFFSET

EXISTING SURFACE

DATUM48.0 DESIGN SURFACE

OFFSET

EXISTING SURFACE

DESIGN SURFACE

DATUM48.0

OFFSET

EXISTING SURFACE

DESIGN SURFACE

DATUM49.0

\_ \_ \_ \_



CO



**ARMSTRONG ESTATE - STAGE 69 ROAD CROSS SECTIONS - 3 COMPANION STREET - SHEET 02** 

DRAWING TITLE

CH 113.280

PROJECT

TBL	in 50	Q100 RL= 48.98 1 in 25 1 in 30	1	<u>in 30</u> ————————————————————————————————————	<u>1</u> ir	1 <u>50</u>	 
49.150 -	49.120	49.012 48.902 48.902	49.013 -	48.902 48.862 49.012 49.012	49.120 -	49.150 49.168	
49.370	49.427	49.456 49.456 49.449 49.436	49.263	49.164 49.163 49.163 49.163	49.164	49.168 49.168	
-8.000	-6.500		0.000	90000 9000000	6.500	8.000 8.108	

# CH 128.712 (TANGENT POINT)

Percent and the second	Q100	RL= 49.40 <u>1 in 30</u>	1 in 30		<u>1 in 50</u>	21 KBL
49.56	49.53	494 494 4994 4994 4992 80 4992 4992 4992 4992 4992 4992 4992 499	49.43	49.23 49.21 49.49 49.49	49.54	49.51 49.55
49.665	49.655	49.638 49.638 49.638 49.638 49.638	49.613	49.590 49.588 49.588 49.587	49.581	49.583
-8.000	-6.500	-3.50 -3.5500 -3.50	0.000	3.350 3.650 3.8690 3.800	6.614	8.114 8.182

# CH 139.271 (TANGENT POINT)

	<u>1 in 50</u>	Q100 R	RL= 49.70		1 in 25	1 in 50	- 1 in 6	$\uparrow$
LBL							RBL	
49 868 		44.030	449.730 49.730 6200 620 620 74	49.731-	49.620 49.730 49.730 49.730	49.830	49.860	50.053
49 868		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4499944 499994 409999 4009 9009	49.955	49.992 49.995 49.997 49.997	50.024	50.040	50.053
000 8-		000000000000000000000000000000000000000		0.000	3.350 3.6550 3.86900 3.86900 3.86900 3.86900 3.87500 3.975000 3.975000 3.975000000000000000000000000000000000000	6.301	7.801	8.960



<u>1 in</u>	<u>501 in 2</u>	Q100 RL= 50.23	1 in	<u>30 1 in 25</u>	1 in	50 t in	6	 	
LBL						RBL			
50.397 -	50.367 -	50.259 50.109 50.149	50.261 -	50.149 - 50.149 - 50.259 - 50.259 -	50.367 -	50.397	50.591 -		
50.400	50.417	50.446 50.447 50.450	50.487	50.525 50.529 50.529 50.530	50.561	50.578	50.591		
-8.000	-6.500	າວ 1900 1900 1900 1900 1900 1900 1900 190	0.000	33950 339500 339500 339500 339500 339500 339500 339500 339500 339500 330	6.500	8.000	9.161		

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

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

NATURAL SURFACE

STATUS

# 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



1:50 1 0.5 0 1 2 A1

VERTICAL

A3

1:100

	180016.	69	R50	2	0
	PROJECT No.		DRAWING No.	•	REVISION
CONSTRUCTION	M. TROUNCE	M. TROUNCE		FEBRUARY 2022	
ISSUED FOR	PROJECT ENGINEER	PROJECT I	MANAGER	DATE FIRS	ST ISSUE
	AS SHOWN	C	ROHDE	(	C.ROHDE
	SCALE AT A1	DRAWN		DESIGNE	)
				DEBIONE	

					Q100 RL= 45.02						
		<u> </u>	<u>13.3 1 in</u>	50	1 in 30	-+-	1 in 30 1 in 25	1 in 5	<u>0 1 in 15</u>		
			LBL						- III		
DATUM44.0 DESIGN SURFACE		45.242	45.092	45.062	44.954 954 44.844.9554 44.8844 44.8844	44.956	44 88 95 44 44 80 44 55 54 44 55 54	45.062	45.092 RI	45.225	
EXISTING SURFACE		45.325	45.238	45.173	45.049 45.049 45.025	44.856	44.755 44.745 44.745 44.742	44.652	44.595	44.523	
OFFSET		-10.000	-8.000	-6.500	-3.690 -3.650 -3.650 -3.550	0.000	33.950 33.950 33.950 33.950 33.950 33.950 33.950 33.950 33.950 33.950 33.950 33.950 35.9500 35.95000 35.95000 35.95000 35.95000 35.95000 35.95000 35.95000 35.95000 35.95000 35.95000 35.950000 35.950000 35.9500000000000000000000000000000000000	6.500	8.000	10.001	
L					CH 99.284 (	LEFT T	ANGENT POINT)				
		1 in -	13.3		Q100 RL= 45.69 —			4.5	o 1 in 40 1	1	
				50	1 in 25 1 in 30		<u> </u>				
DATUM44.0			LBL						RBL		
DESIGN SURFACE		45.983	45.833	45.803	45.695 45.695 45.585 45.585	45.697	45.585 45.695 45.695 695	45.803	45.833	45.883	
EXISTING SURFACE		46.198	46.110	46.043	45.924 45.919 45.904 45.904	45.751	45.615 45.603 45.502 45.597	45.491	45.431	45.352	
OFFSET		-10.000	-8.000	-6.500		0.000	33333 8000 33333 8000 8000 8000	6.500	8.000	10.006	
					CH 75.379 (I	_EFT TA	ANGENT POINT)				
		1 in -	13. <u>3 1 in</u>	E0	Q100 RL= 46.08			4 in F	0		
					1 in 25 1 in 30		<u>— 1 in 25</u>				
DATUM45.0			LBL						<b>RBL</b>		
DESIGN SURFACE		46.363 -	46.213 -	46.183	46.075 - 46.075 - 45.925 - 45.965 -	46.076 -	45.965 45.925 46.075 46.075	46.183 -	46.213		
EXISTING SURFACE		46.477	46.410	46.360	46.279 46.275 46.273 46.263	46.144	46.025 46.013 46.009	45.907	45.851 45.841		
OFFSET		-10.000	-8.000	-6.500		0.000	9000 9000 9000 9000 9000 9000 9000 900	6.500	8.000 8.256		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	~~~~~	~~~~	C	H 64.00	)0	~~~~~	~~~~~		
$\left\{ \begin{array}{c} 1 \end{array} \right\}$		<u>1 in</u>	<u>13.3 1 in</u>	50	Q100 RL= 46.46		1 in 30 1 in 25	1 in 5	0		}
									-		}
			LBL						RBL		
DESIGN SURFACE		46.763	46.613	46.583	46.475 46.475 46.3255 46.3255 46.3255 46.3255 46.3255 46.3255 46.3255 46.3255 46.3255 46.3255 46.3255 46.3255 4755 4755 4755 4755 4755 4755 4755 4	46.476	46.475 46.475 46.475 46.475	46.583	46.613		
EXISTING SURFACE		46.753	46.686	46.635	46.547 46.543 46.534 46.534	46.434	46.319 46.319 46.318 46.318	46.227	46.179		
OFFSET		-10.000	-8.000	-6.500	-3.800 -3.650 -3.550 -3.550	0.000	33350 33550 33550 33550 33550 33550 33550 33550 33550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3550 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 3500 35000 35000 35000 35000 35000 35000 35000 3500	6.500	8.000		
					CH 52.0	00 (LIM	IT OF WORKS)				
										······	·····
ISSUE DESCRIPTION		DRAWN	DESIGNED	APPROVE						$\mathbf{c}\mathbf{c}$	

DATE REVISION aww properties 11/10/22 CHAINAGE 52.000 ADDED K.MCKELVIE M.TROUNCE M.TROUNCE C.ROHDEC.ROHDEM.TROUNCEC.ROHDEC.ROHDEM.TROUNCEC.ROHDEC.ROHDEM.TROUNCEC.ROHDEC.ROHDEM.TROUNCE Communities Designed for Living CONSTRUCTION ISSUE 30/05/22 17/03/22 TENDER ISSUE 25/02/22 ISSUED FOR APPROVAL





PROJECT

### **ARMSTRONG ESTATE - STAGE 69 ROAD CROSS SECTIONS - 4** WANDERLUST DRIVE







	 -	<u>1 in 13.3</u>	1 in 50	Q100 RL= 44.86	1 in 30
DATUM44.0		LBL			
DESIGN SURFACE	45.082	44.932	44.902	44.794 44.794 44.684	44.796
EXISTING SURFACE	44.953	44.866	44.801	44.683 44.678 44.677	44.555
OFFSET	-10.000	-8.000	-6.500		0.000

DRAWING TITLE

					777
DATUM42.0 DESIGN SURFACE	45.003	44.823	44.715 44.715 44.565 565 565	44.003	
EXISTING SURFACE	44.513 44.513	44.432	44.307 44.307	44.192	
OFFSET	-10.000	-6.500	بن بن 1900 1900 1900	0.00.0	

<u>1 in 13.3</u> 1 in 50

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CH 121.415

STATUS

1 in 30

			B			17.77.77
DATUM42.0	<b></b>					
DESIGN SURFACE		44.988	44.838	44.808	44.700 44.700 44.550 44.559	44.701
EXISTING SURFACE		44.420	44.374	44.374	44.369 44.358 44.354 44.324	44.134
OFFSET		-10.000	-8.000	-6.500	000 000 000 000 000 000 000 000 000 00	0.000

<u>1 in 13.3</u> 1 in 50

LONG SECTION CHAINAGES

NATURAL SURFACE

<u>NOTE</u>

NOTE SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT

AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE

CROSS SECTIONS LBL & RBL LABELS REFER TO

LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY,

READ IN ASCENDING ORDER ALONG THE RELEVANT

Q100 RL= 44.79 ----

1 in 25

1 in 25

1 in 30



			<u></u>				— — 1 in-	10.3
			1 in 50	1 in 30	1 in 30	1 in 50		
	ъ						BL	
DATUM52.0	60 60	62	15 15 15 15 15 15 15 15 15 15 15 15 15 1	27	<u>بېنېنې</u>	62	60	04
DESIGN SURFACE		53.0	22.8 22.8 22.8 22.8	53.0	2008 2018 2018 2018 2018 2018 2018 2018	53.0	53.1	53.3
EXISTING SURFACE	53.220	53.231	53.252 53.255 53.255 53.256	53.281	53.303 53.303 53.301 53.300	53.280	53.269	53.255
OFFSET	000.8-	-6.500		0.000	0000 9000 9000 9000 9000 9000 9000 900	0.500 6.500	8.000	10.000
			0400 DI - 50 70	CH 53.68	9			
			Q100 RL= 52.76				— <u>1 in</u>	11.2
				1 in 30	1 in 30			
DATUM52.0	LBL						RBL	
DESIGN SURFACE	52.913	52.883	52.829 52.829 52.679	52.830	52.829 52.829 52.829	52.883	52.913	53.092
EXISTING SURFACE	53.034	53.040	53.057 53.058 53.058 53.058 53.058	53.086	233000 233000 2330000 2330000 23300000 23300000000	53.093	53.091	53.090
OFFSET	000 8-	-6.500	9000 9000 9000 9000	0.000	0000 9000 9000 9000 9000 9000 9000 900	6.500	8.000	10.000
			С	H 48.178 (TANGE	ENT POINT)			
			Q100 RL= 52.31					
			1 in 50	1 in 30	1 in 30	1 in 50	1 in7	9
			1 in 50	1 in 30	1 in 30	1 in 50	1in7	9
			<u>1 in 50</u>	1 in 30	1 in 30	1 in 50		.9
DATUM51.0		139	1 in 50	1 in 30	1 in 30	1 in 50	1 in 7	878
DATUM51.0 DESIGN SURFACE	52.469	52.439	1 in 50 252 338 252 352 352 252 352 352 352 352 352 352 352 352 352	1 in 30	1 in 30 233322 2333222 2333222 2333222 2333222 2333222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 233222 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 23322 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 232 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2332 2	1 in 50	52.469 RBL	52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE	52.613 52.469 LBL	52.630	1 in 50 52.655 52.655 52.385 52.385 52.235 52.235 52.235 52.275	1 in 30 52.678 52.387	1 in 30 252 698 252 700 252 335 252 335 252 335 252 335 253 35 253 35	1 in 50 52.717 52.439	52.726 52.469 RBL	52.735 52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-6.500 52.630 52.439	-3.800 52.655 -3.650 52.655 52.385 52.385 52.235 52.235 52.275 52.275 52.275	1 in 30 22.678 52.387 0.000	1 in 30 3.3550 3.3550 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.235 52.23	6.500 52.717 52.439	8.000 52.726 52.469 RBL	9.653 52.735 52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-6.500 52.630 52.439	1 in 50 1 in 50 -3.800 52.654 52.385 52.385 52.385 52.385 52.235 52.235 52.235 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.2775 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.275 52.	1 in 30 Lin 30 L	1 in 30 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 92520000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 9252000 92520000 92520000 92520000 92520000 925200000 925200000000000000000000000000000000000	6.500 52.717 52.439	8.000 52.726 52.469 RBL	9.653 52.735 52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-6.500 52.630	1 in 50 1 in 50 25 :922 25	1 in 30 1 in 30 28:33 28:33 0000 27:924 1 in 30 28:025 0000 1 in 30 28:33 29:000 1 in 30 20:000 1 in 30 20:000 1 in 30 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000 20:000	1 in 30 1 in 30 52,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 22,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,200 20,2	6.500 52.717 52.439	8.000 52.726 52.469 RBL	9.653 52.735 52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-6.500 52.630	1 in 50 988 999 997 999 997 999 999 999	1 in 30	1 in 30 1 in 30 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927,000 927	1 in 50	8.000 52.726 52.469 RBL	9.653 52.735 52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET	BL	-6.500 52.630	1 in 50 1 in 50 982 25 993	1 in 30	1 in 30 1 in 30 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 000000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 525262 00000 52526 00000 52526 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 10000 100000 100000	1 in 50 1 in 50 1 in 50 1 in 50 1 in 50 1 in 50	BL 52.726 52.469 RBL 1	9.653 52.735 52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET DATUM51.0	12 LBL	-6.500 52.630	1 in 50 1 in 50 982 52 982 52 98 98 98 98 98 98 98 98 98 98	1 in 30 1 in 30 288755 29000 2000 249755 253 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 20	1 in 30 1 in 30 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 52532 0000 525 525 525 525 525 525 5	28	12 RBL 52.726 52.469 RBL 13	9.653     52.735     52.678
DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET DATUM51.0 DESIGN SURFACE	52.112 LBL	52.082	1 in 50 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 92732 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927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 927,200 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DATUM51.0 DESIGN SURFACE EXISTING SURFACE OFFSET DATUM51.0 DESIGN SURFACE EXISTING SURFACE		-6.500 52.310 52.082 -6.500 52.630 52.439	1 in 50 1 i	1 in 30 1 in 30 1 in 30 1 in 30 1 in 30 1 in 30 0000 27 392 2000 1 in 30 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0	1 in 30 1 in 30 52732 0000 1 in 30 1 in 30	6.500 52.412 52.082 6.500 52.412 52.082 6.500 52.717 52.439	8.000 52.422 52.112 RBL 52.120 8.000 52.726 52.469 RBL 52.469 RBL 52.400 52.726 52.469 RBL 52.400 8.000 52.726 52.469 RBL 52.400 8.000 52.726 52.400 750 750 750 750 750 750 750 750 750 7	

Q100 RL= 52.95 -





CH 25.755

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
						properties	Suite
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Geel
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		
А	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		





PROJECT

**ARMSTRONG ESTATE - STAGE 69 ROAD CROSS SECTIONS - 5 JOURNEY CRESCENT - SHEET 01** 

CH 70.448 (TANGENT POINT)



DRAWING TITLE

















51

<u>995</u>

51.

8.000









NOTE SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT

AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE



53.665 53.665 53.775 53.775

731 724 723

ຄີວິດ

# **ISSUED FOR** CONSTRUCTION

STATUS

	-				
SCALE AT A1	DRAWN		DESIGNED	)	
AS SHOWN	C.ROHDE		C.ROHDE C.ROHDE		C.ROHDE
PROJECT ENGINEER	PROJECT N	MANAGER	DATE FIRST ISSUE		
M. TROUNCE	M. <sup>-</sup>	M. TROUNCE		RUARY 2022	
PROJECT No.		DRAWING No.		REVISION	
180016.6	<b>69</b>	R50	4	0	

50		_	1 in 10.2	+	 
		_			
		RBL			
E2 E77	110.00	53.707		53.949	
£2 708	067.00	53.788		53.771	
6 EDD	0.00	8.000		10.475	

	<i>T</i>	KBL	 	
	04.U30	071.40		
E2 0E1	03.004 5 017	110.00		
7 550	0.050 0	9.000		

n 50			
-	F.H.	$\geq$ –	 
		RBL	
	- 011.4C	04.140	
50 001	03.024 52.707	101.00	
7 E	UCC. /	000.6	

50				
	Ŧ.	RBL	 	
	54.004 - 24.004	04.00 <del>.</del>		
	53./34	100.00		
۲ ۲ ۲	7.550	000.8		



WARNING

www.**1100**.com.au



HORIZONTAL

VERTICAL

1:50 1 0.5 0 1

1:100

2 A1

Δ3

DATUM51.0	

DATUM51.0

OFFSET

DESIGN SURFACE

EXISTING SURFACE

DATUM51.0	
DESIGN SURFACE	

EXISTING SURFACE

OFFSET

DATUM52.0 DESIGN SURFACE EXISTING SURFACE

OFFSET

DATUM52.0 DESIGN SURFACE EXISTING SURFACE

OFFSET

### 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





PROJECT

ARMSTRONG

**ARMSTRONG ESTATE - STAGE 69 ROAD CROSS SECTIONS - 6** JOURNEY CRESCENT - SHEET 02

DRAWING TITLE

STATUS

# 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



VERTICAL

1:100

\_\_\_\_\_ A3

				REVISION	
M. TROUNCE	M. <sup>-</sup>	TROUNCE	FEB	RUARY 2022	
PROJECT ENGINEER PR		PROJECT MANAGER		DATE FIRST ISSUE	
AS SHOWN		C.ROHDE		C.ROHDE	
SCALE AT A1	DRAWN		DESIGNE	)	
	SCALE AT A1 AS SHOWN PROJECT ENGINEER M. TROUNCE	SCALE AT A1     DRAWN       AS SHOWN     C       PROJECT ENGINEER     PROJECT I       M. TROUNCE     M. T	SCALE AT A1     DRAWN       AS SHOWN     C.ROHDE       PROJECT ENGINEER     PROJECT MANAGER       M. TROUNCE     M. TROUNCE	SCALE AT A1     DRAWN     DESIGNED       AS SHOWN     C.ROHDE     O       PROJECT ENGINEER     PROJECT MANAGER     DATE FIRST       M. TROUNCE     M. TROUNCE     FEB	

### 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.
- 6. 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.



1:500 1:1000	10	5	0	10	20	A1 A3
			HOR	IZONTAL		
1:50 1:100	1	0.5	0 VEF	1	2	A1 A3

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





PROJECT

**ARMSTRONG ESTATE - STAGE 69 DRAINAGE LONGITUDINAL SECTIONS - 1** 

DRAWING TITLE

STATUS



PE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3	
RUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE	
OMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:	
- BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.	
- AD JACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45	

- DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- 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.
- PIPE.
- 6. ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE



GRADE

EVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
						VIIAWOOD	
						properties	
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Suite 1 Geelor
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		
А	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

1:500 1:1000	10	5	0 HOR	10 IZONTAL	20	A1 A3
1:50 1:100	1	0.5	0 VE	1 RTICAL	2	A1 A3

LE	GE	ENE	)	

EXISTING SURFACE
DESIGN SURFACE
DRAINAGE PIPE/PIT
EXISTING DRAINAGE PIPE/
HYDRUALIC GRADE LINE

![](_page_14_Picture_15.jpeg)

![](_page_14_Picture_16.jpeg)

### NOTES

- 1. 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).
- 4. 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. 6. 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.

![](_page_15_Figure_9.jpeg)

EVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
						VIIIawood	
						properties	
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	uite 1 Jeelor
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	<b>J</b>	
Α	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

![](_page_15_Figure_12.jpeg)

	EXISTING SURFACE DESIGN SURFACE DRAINAGE PIPE/PIT EXISTING DRAINAGE PIPE/PIT HYDRUALIC 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	CITY OF GREATER GEELONG TO STAN GREATER GEELONG O PLANNING ENVIRONN GREATER GEELONG PLA Endorsed P Planning Permit No: Sheet 16 of Approved By Daniel Approved Date 27 NOTE: THIS IS NOT A BUIL	IP HERE UPON APPROVAL CITY COUNCIL IENT ACT 1987 ANNING SCHEME Ian PP-282-2019 23 Cromberge 7/10/2022
(Ex39)	Ex40		Certification No: 1	5600 Ex42
	CCB CH4.00	NOTINCONTR		
0.015	<	0.048	0.022	~
- 1.4	<	2.47 225Ø	1.36 225Ø	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1 in 64.8	43.0	1 in 20.9	1 in 69	>
2 0.944	1.620	0	ο	9 1.000
49.77	5 47.66 0 47.82 47.80	5 51.37 51.37	22152	4 52.25 52.25
49.40	26 47.32 47.40	80 51.14 5.1.14		24 51.92
155 50.4	49.0	60 52.1		374 52.9
50.4	49.3	371 52.4		52.5
(20.785)	õ	(78.371)	(50.217)	128.5
AWING TITLE	ESTATE - STAGE 69	STATUS	SCALE AT A1 DRAWN AS SHOWN C.ROHDE	DESIGNED C.ROHDE
UKAINAGE LC	UNGI I UDINAL SECTIONS		PROJECT ENGINEER PROJECT MANAGER M. TROUNCE M. TROUNC	DATE FIRST ISSUE
			PROJECT No. DRAWING 180016.69 F	G No. REVISION R602 0

# NOTE:

PROJECT

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-CCTV'D TO CONFIRM NO CONSEQUENTIAL DAMAGE HAS OCCURRED.

![](_page_15_Picture_16.jpeg)

![](_page_15_Picture_17.jpeg)

						F	IT SCHEDULE					
	TVDE	INTE	ERNAL	INI	_ET	(	DUTLET	ESL (m)			DEMARKS	
	TIPE	WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)	DIAMETER	INVERT R.L.(m)	- г.з.с. (III)	DEFIN(III)	STANDARD DRAWING	REWARKS	
Ex1EP	Ex.ENDPIPE	-	-	750	42.364	Ex.750	42.364	44.615	2.251	-	CONNECT TO EXISTING ENDPIPE.	
3	SIDE ENTRY PIT	1050	900	600	42.748	750	42.598	44.703	2.105	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
				300	43.048							
4	SIDE ENTRY PIT	900	900	600	43.079	600	43.029	44.959	1.930	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
				375	43.254							
5	SIDE ENTRY PIT	900	900	600	43.916	600	43.866	45.733	1.868	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
6	SIDE ENTRY PIT	900	900			600	44.655	46.473	1.818	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER. PROVIDE 600Ø BLOCKOUT IN WEST WALL AT IL44.705 FOR FUTURE CONNECTION.	}/
7	SIDE ENTRY PIT	600	900	300	43.148	300	43.098	44.715	1.617	IDM SD 430		<b>_</b>
8	SIDE ENTRY PIT	600	900			300	44.659	46.359	1.700	IDM SD 430		
11	SIDE ENTRY PIT	600	900	375	44.063	375	44.013	45.663	1.650	IDM SD 430		
12	SIDE ENTRY PIT	600	900	375	44.277	375	44.227	45.681	1.453	IDM SD 430		
13	SIDE ENTRY PIT	600	900	375	46.678	375	46.628	48.049	1.420	IDM SD 430		
				300	46.703							
14	SIDE ENTRY PIT	600	900	375	48.011	375	47.961	49.409	1.448	IDM SD 430		
				300	48.036							
15	SIDE ENTRY PIT	600	900	375	48.219	375	48.169	49.684	1.515	IDM SD 430		
16	SIDE ENTRY PIT	600	900	375	48.646	375	48.596	50.256	1.660	IDM SD 430		
17	SIDE ENTRY PIT	900	900	375	48.744	375	48.694	50.614	1.920	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
18	SIDE ENTRY PIT	600	900	300	48.814	375	48.777	50.614	1.837	IDM SD 430 & 410	HAUNCHED TO 600x900 COVER.	
19	DOUBLE SIDE ENTRY PIT	600	1900	300	48.963	300	48.913	50.522	1.608	IDM SD 445		
				300	48.963							
20	SIDE ENTRY PIT	600	900	300	49.298	300	49.248	50.825	1.577	IDM SD 430		
				300	49.298							
21	SIDE ENTRY PIT	600	900	300	49.823	300	49.773	51.562	1.789	IDM SD 430		
				300	49.823							
22	SIDE ENTRY PIT	600	900	225	50.679	300	50.604	52.399	1.795	IDM SD 430		
23	JUNCTION PIT	600	900	225	51.062	225	51.012	52.073	1.061	IDM SD 425		
24	JUNCTION PIT	600	900	225	51.139	225	51.089	52.175	1.086	IDM SD 425		
25	JUNCTION PIT	600	900			225	52.475	53.452	0.976	IDM SD 425		
26	SIDE ENTRY PIT	600	900			300	46.797	48.170	1.373	IDM SD 430		
27	SIDE ENTRY PIT	600	900	225	48.222	300	48.147	49.617	1.471	IDM SD 430		
28	JUNCTION PIT	600	900			225	49.024	49.994	0.970	IDM SD 425		
29	SIDE ENTRY PIT	600	900			300	49.068	50.552	1.484	IDM SD 430		
30	SIDE ENTRY PIT	600	900			300	49.905	51.562	1.657	IDM SD 430		
31	SIDE ENTRY PIT	600	900			300	49.549	51.267	1.717	IDM SD 430		
Ex2EP	Ex.ENDPIPE	-	-	300	50.662	Ex.300	50.662	52.183	1.521	-	CONNECT TO EXISTING ENDPIPE.	
32	SIDE ENTRY PIT	600	900	300	51.286	300	51.236	52.717	1.481	IDM SD 430		
33	SIDE ENTRY PIT	600	900			300	51.350	52,742	1.392	IDM SD 430		1

/ISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
2	11/10/22	PIT 6 UPDATED	K.MCKELVIE	M.TROUNCE	M.TROUNCE	properties	
1	06/06/22	COUNCIL AMENDMENTS (DATED 06/06/22)	M.TROUNCE	M.TROUNCE	M.TROUNCE	properties	Suite
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Geelo
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	en de la construction de la constru	
А	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

# 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.

PROJECT

![](_page_16_Picture_6.jpeg)

![](_page_16_Picture_7.jpeg)

DRAWING TITLE

**ARMSTRONG ESTATE - STAGE 69** DRAINAGE PIT SCHEDULE

STATUS

**ISSUED FOR** 

CONSTRUCTION

### WARNING

www.**1100**.com.au

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

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-282-2019 Sheet 17 of 23 Approved By Daniel Cromberge Approved Date 27/10/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

### Certification No: 15600

SCALE AT A1	DRAWN	DESIGNED		
AS SHOWN	C.ROHDE	C.ROHDE		
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE		
M. TROUNCE	M. TROUNCE	FEBRUARY 2022		
PROJECT No.	DRAWING No.	REVISION		
180016.6	69 R60	3 2		

![](_page_17_Figure_0.jpeg)

-40mm SIZE 14 mm TYPE HP ASPHALT WITH CLASS A10E BINDER -PRIME OR 7mm PRIMERSEAL

–150mm SIZE 20mm CLASS 2 CRUSHED ROCK

COMPACTED TO A MINIMUM DENSITY RATIO 98% (MODIFIED) AS1289, 5.2.1

-210mm SIZE 20mm CLASS 3 CRUSHED ROCK (PLACED AND COMPACTED IN 2 LAYERS) COMPACTED TO A MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.2.1

-250mm CAPPING LAYER WITH A MINIMUM SOAKED CBR OF 8%, MAXIMUM SOAKED CBR SWELL OF 1%, PERMEABILITY  $\leq 5 \times 10^{-9}$  m/s. COMPACTED TO A MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.2.1

-SUBGRADE IMPROVEMENT: WHERE EXISTING MATERIAL IS UNSUITABLE FOR USE AS PAVEMENT SUBGRADE, AND AT THE INSTRUCTION OF THE SUPERINTENDENT, CONTRACTOR TO EITHER;

- STABILISE INSITU MATERIAL WITH 3% LIME UP TO 300mm DEPTH OR; 2. REMOVE ADDITIONAL 300mm DEPTH INSITU MATERIAL AND REPLACE WITH SIZE 40mm CLASS 4 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY
- RATIO OF 98% (MODIFIED) AS1289, 5.2.1 3. REMOVE ADDITIONAL 300mm DEPTH INSITU MATERIAL AND REPLACE WITH TYPE A MATERIAL MEETING THE FOLLOWING MATERIAL PROPERTIES; CBR  $\geq$  15%, SWELL  $\leq$  1.5%, PERMEABILITY  $\leq$  5x10<sup>-9</sup>m/s
- (5x10<sup>-7</sup> cm/s) COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) AS1289, 5.1.1

-MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.1.1

![](_page_17_Figure_11.jpeg)

![](_page_17_Figure_12.jpeg)

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT		
							VIIAWOOD	
							properties	C
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		Communities Designed for Living	Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		3	-
А	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE			

![](_page_17_Picture_14.jpeg)

xxxxxxxxxxxxxxxx

PAVEMENT COMPOSITION

WANDERLUST DRIVE &

JOURNEY CRESCENT

480mm DEPTH

NTS

60 80

NBN E

FOOTPATH NATURESTRIP

TRAFFICABLE TRAFFICABLE

2.75

2.75m

13.5m ROAD RESERVE

TWO WAY CROSSFALL

JOURNEY CRESCENT EAST OF LOT 6939

13.50m -

**ARMSTRONG ESTATE - STAGE 69** 

─► 1.50m 🗨 2.85m ──►

|||<del>,</del>≓

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![](_page_17_Picture_15.jpeg)

~30mm SIZE 10mm TYPE N170 ASHPALT

-PRIME OR 7mm PRIMERSEAL

COMPACTED TO A MINIMUM DENSITY RATIO 98% (MODIFIED) AS1289, 5.2.1 -210mm SIZE 20mm CLASS 3 CRUSHED ROCK

COMPACTED TO A MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.2.1

150mm CAPPING LAYER WITH A MINIMUM SOAKED CBR OF 8%, MAXIMUM SOAKED

-SUBGRADE IMPROVEMENT: WHERE EXISTING MATERIAL IS UNSUITABLE FOR USE

AS PAVEMENT SUBGRADE, AND AT THE INSTRUCTION OF THE SUPERINTENDENT,

STABILISE INSITU MATERIAL WITH 3% LIME UP TO 300mm DEPTH OR;

(5x10<sup>-7</sup>cm/s) COMPACTED TO A MINIMUM DENSITY RATIO OF 98%

TRAFFICABLE

PAVEMENT

—— 3.65m —

18.00n

18m ROAD RESERVE

TWO WAY CROSSFALL

NECTAR DRIVE (EAST OF JOURNEY CRESCENT)

PON PON

3.15 OFF | -2.40 OFF | -1.80 OFF |

W RW

NATURESTRIP | FOOTPATH |

CROSS FALLS

PAVEMENT: 3.33%

FOOTPATH: 2.0%

NATURE STRIP: 2.0%

ARMSTRONG

\_\_\_\_ 2.85m \_\_\_\_ 1.50m \_\_\_

REMOVE ADDITIONAL 300mm DEPTH INSITU MATERIAL AND REPLACE WITH

SIZE 40mm CLASS 4 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY

REMOVE ADDITIONAL 300mm DEPTH INSITU MATERIAL AND REPLACE WITH

TYPE A MATERIAL MEETING THE FOLLOWING MATERIAL PROPERTIES; CBR

BDY BDY

OFF OFF

3.20 2.55

W RW G

FOOTPATH

CROSS FALLS

PAVEMENT: 3.33%

FOOTPATH: 2.0%

NATURE STRIP: 4.0%

ΒDΥ

NATURESTRIP

4.80m

**TYPICAL DETAILS** 

6

BDY BDY BDY

OFF OFF

20,40

FOOTPATH 1.50m

G RW W NBN E

DRAWING TITLE

NATURESTRIP

CBR SWELL OF 1%, PERMEABILITY  $\leq 5 \times 10^{-9}$  m/s. COMPACTED TO A MINIMUM DENSITY

RATIO OF 98% (MODIFIED) AS1289, 5.2.1

-MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A

MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.1.1

 $\geq$  15%, SWELL  $\leq$  1.5%, PERMEABILITY  $\leq$  5x10<sup>-9</sup>m/s

![](_page_17_Picture_25.jpeg)

OF RATIO 98% (STANDARD) AS1289, 5.2.1

(STANDARD) AS1289, 5.1.1

CONTRACTOR TO EITHER;

PAVEMENT COMPOSITION DETAILS PROVIDED IN

BY DOUGLAS PARTNERS DATED MARCH 2020

ACCORDANCE WITH GEOTECHNICAL REPORT PREPARED

TRAFFICABLE

PAVEMENT

—**—**— 3.65m –

B2

PROJECT

TRAFFICABLE

PAVEMENT

— 3.65m —

NOTE:

1.0 B2

B B C B C B

E C

50 80

NBN

—— 1.50m —— 3.85m —

NATURESTRIP

FOOTPATH

1.00 OFF

В

TRAFFICABLE

PAVEMENT

— 3.65m —

16m ROAD RESERVE

TWO WAY CROSSFALL

JOURNEY CRESCENT SOUTH OF LOT 6939

 $\mathbf{C}\mathbf{O}$ 

creo

CONSULTANTS

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### WARNING

www.**1100**.com.au

**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

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-282-2019 Sheet 18 of 23 Approved By Daniel Cromberge Approved Date 27/10/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

### Certification No: 15600

-30mm SIZE 10 mm TYPE N170 ASHPALT

-PRIME OR 7mm PRIMERSEAL

-160mm SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATIO 98% (MODIFIED) AS1289, 5.2.1

-140mm SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.2.1

-150mm CAPPING LAYER WITH A MINIMUM SOAKED CBR OF 8%, MAXIMUM SOAKED CBR SWELL OF 1%, PERMEABILITY ≤ 5x10<sup>.9</sup>m/s. COMPACTED TO A MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.2.1

-SUBGRADE IMPROVEMENT: WHERE EXISTING MATERIAL IS UNSUITABLE FOR USE AS PAVEMENT SUBGRADE, AND AT THE INSTRUCTION OF THE SUPERINTENDENT, CONTRACTOR TO EITHER;

- STABILISE INSITU MATERIAL WITH 3% LIME UP TO 300mm DEPTH OR; REMOVE ADDITIONAL 300mm DEPTH INSITU MATERIAL AND REPLACE WITH SIZE 40mm CLASS 4 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
- REMOVE ADDITIONAL 300mm DEPTH INSITU MATERIAL AND REPLACE WITH TYPE A MATERIAL MEETING THE FOLLOWING MATERIAL PROPERTIES; CBR  $\geq$  15%, SWELL  $\leq$  1.5%, PERMEABILITY  $\leq$  5x10<sup>-9</sup>m/s
- (5x10<sup>-7</sup> cm/s) COMPACTED TO A MINIMUM DENSITY RATIO OF 98%
- (STANDARD) AS1289, 5.1.1

-MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MINIMUM DENSITY OF RATIO 98% (STANDARD) AS1289, 5.1.1

![](_page_17_Figure_49.jpeg)

SCALE AT A1 DESIGNED DRAWN C.ROHDE C.ROHDE AS SHOWN PROJECT ENGINEER PROJECT MANAGER DATE FIRST ISSUE M. TROUNCE M. TROUNCE FEBRUARY 2022 PROJECT No. DRAWING No. REVISION 180016.69 **R700** 0

![](_page_17_Figure_51.jpeg)

**ISSUED FOR** 

CONSTRUCTION

NATURESTRIP 1.70m

STATUS

LOT NO.	CROSS OVER WIDTH (m)	CROSS OVER OFFSET (m)	CROSS OVER LO
6901	4	1	WEST BL
6902	4	1	WEST BL
6903	4	1	WEST BL
6904	4	1	EAST BL
6905	4	1	SOUTH BL
6906	4	1	SOUTH BL
6907	4	1	SOUTH BL
6908	4	1	SOUTH BL
6909	4	1	SOUTH BL
6910	4	1	SOUTH BL
6911	4	1	SOUTH BL
6912	4	1	SOUTH BL
6913	4	1	EAST BL
6914	4	1	WEST BL
6915	4	1	EAST BL
6916	4	1	EAST BL
6917	4	1	WEST BL
6918	4	1	EAST BL
6919	4	1	EAST BL
6920	4	1	EAST BL
6921	4	1	EAST BL
6922	4	1	WEST BL
6923	4	1	NORTH BL
6924	3.7	0.8	SOUTH BL
6925	4	1	SOUTH BL
6926	3.7	0.8	SOUTH BL
6927	3.7	0.8	SOUTH BL
6928	4	1	SOUTH BL
6929	3.7	0.8	SOUTH BL
6930	4	1	SOUTH BL
6931	4	1	SOUTH BL
6932	4	1	EAST BL
6933	4	1	WEST BL
6934	4	1	WEST BL
6935	4	1	SOUTH BL
6936	4	1	SOUTH BL
6937	4	1	SOUTH BL
6938	4	1	EAST BL
6939	4	1	EAST BL
6940	4	1	EAST BL
6941	4	1	EAST BL
6942	4	1	EAST BL
6943	4	1	WEST BL
6944	4	1	EAST BL

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
						VIIIUVUQU	
						properties	Suite 1
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Geelon
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		
A	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

![](_page_18_Picture_2.jpeg)

![](_page_18_Picture_3.jpeg)

PROJECT

**ARMSTRONG ESTATE - STAGE 69 CROSS OVER DETAILS** 

DRAWING TITLE

OVER LOCATION WEST BL WEST BL WEST BL EAST BL OUTH BL EAST BL WEST BL EAST BL EAST BL WEST BL EAST BL EAST BL EAST BL EAST BL WEST BL IORTH BL OUTH BL EAST BL WEST BL WEST BL SOUTH BL SOUTH BL OUTH BL EAST BL EAST BL EAST BL

![](_page_18_Figure_6.jpeg)

### 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

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

Endorsed Plan Planning Permit No: PP-282-2019 Sheet 19 of 23 Approved By Daniel Cromberge Approved Date 27/10/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15600

RB	

STATUS

	SCALE AT A1	DRAWN		DESIGNE	)	
	AS SHOWN	c	ROHDE	(	C.ROHDE	
ISSUED FOR	PROJECT ENGINEER	PROJECT I	PROJECT MANAGER DATE		ST ISSUE	
CONSTRUCTION	M. TROUNCE	M. 1	M. TROUNCE		FEBRUARY 2022	
	PROJECT No.		DRAWING No.		REVISION	
	180016.0	69	R70	1	0	

![](_page_19_Figure_0.jpeg)

![](_page_19_Picture_1.jpeg)

![](_page_19_Picture_2.jpeg)

4		4					4 Z .	
			4 A					
	А							
		0						
						FUT. LOT 681	3	
						-2.81 %		
40./00	46.760	46.773	46.716		46.576	46.436	46.295	46.155
000°.	45.576	45.509	45.465		45.354	45.244	45.193 0.2	45.270
7 6 0.	1.184	1.263	1.251	200	1.222	1.192	1.103	0.885
000.01	45.548	45.481	45.437		45.326	45.221	45.158	45.240
	25.000	28.000	30.000		35.000	40.000	64-000	50.000

![](_page_20_Figure_0.jpeg)

11/10/22 CONSTRUCTION ISSUE

K.MCKELVIE M.TROUNCE M.TROUNCE

# 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

ITY OF GREATER GEELONG TO STAMP HERE UPON APPROVA	۱L
GREATER GEELONG CITY COUNCIL	
PLANNING ENVIRONMENT ACT 1987	
GREATER GEELONG PLANNING SCHEME	
Endorsed Plan	
Planning Permit No: PP-282-2019	
Sheet 21 of 23	
Approved By Daniel Cromberge	

NOTE: THIS IS NOT A BUILDING APPROVAL

Approved Date 27/10/2022

### Certification No: 15600

![](_page_20_Picture_9.jpeg)

G DEPTH mm	SOLDIER SIZE
500	150 UC 23
900	150 UC 23
200	150 UC 23
500	150 UC 30

	AS SHOWN	C.ROHDE		C.ROHDE
ISSUED FOR	PROJECT ENGINEER	PROJECT MANAGER	DATE FIR	ST ISSUE
CONSTRUCTION	M. TROUNCE	M. TROUNCE	OC	TOBER 2022
	PROJECT No.	DRAWING No.		REVISION

180016.69

SCALE AT A1

DRAWN

DESIGNED

0

**R703** 

![](_page_21_Figure_0.jpeg)

25/02/22 ISSUED FOR APPROVAL

А

GREATER GEELONG CITY COUNCIL PLANNING ENVIRONMENT ACT 1987 GREATER GEELONG PLANNING SCHEME								
Endorsed Plan Planning Permit No: PP-282-2019 Sheet 22 of 23 Approved By Daniel Cromberge Approved Date 27/10/2022								
NOTE: THIS IS NOT A BUI		ROVAL						
Certification No: 15600								
SIGN SCHEDULE								
SIGN	REF	QUANTITY						
		REFER SCHEDULE						
STREET SIGN (G5 SERIES)								
ROAD CLOSED T2-4A D4-5	2	ЗNo						
GIVE WAY R1-2	3	2No						
<b>8</b> <b>•</b> <b>•</b> <b>•</b> <b>•</b> <b>•</b> <b>•</b>	4	3No						
R5-35R	5	1No						
D4-1-3(R)	6	1No						

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

![](_page_21_Figure_7.jpeg)

20 A1 A3

> INCLUDING INSTALLATION OF BLUE RAISED REFLECTIVE PAVEMENT MARKERS & PAINTED WHITE REFLECTIVE TRIANGLES.

**ISSUED FOR** CONSTRUCTION

180016.6	<b>69</b>	R800		2	
PROJECT No.	-	DRAWING No.		REVISION	
M. TROUNCE	M. <sup>-</sup>	TROUNCE	FEBRUARY 2022		
PROJECT ENGINEER	PROJECT N	MANAGER	DATE FIRST ISSUE		
1:500 @ A1	С	ROHDE	C.ROHDE		
SCALE AT A1	DRAWN		DESIGNED		

![](_page_22_Figure_0.jpeg)

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	
						VIIIawood	
						properties	
1	11/10/22	PIT 6 RELOCATED	K.MCKELVIE	M.TROUNCE	M.TROUNCE		Suite
0	30/05/22	CONSTRUCTION ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE	Communities Designed for Living	Geelo
В	17/03/22	TENDER ISSUE	C.ROHDE	C.ROHDE	M.TROUNCE		
A	25/02/22	ISSUED FOR APPROVAL	C.ROHDE	C.ROHDE	M.TROUNCE		

![](_page_22_Picture_2.jpeg)

![](_page_22_Picture_3.jpeg)

PROJECT

DRAWING TITLE **ARMSTRONG ESTATE - STAGE 69** DRAINAGE LAYOUT PLAN

STATUS

**ISSUED FOR** 

CONSTRUCTION

180016.69			<b>^</b>	4
PROJECT No.		DRAWING No.		REVISION
M. TROUNCE	M. <sup>-</sup>	TROUNCE	FEBRUARY 2022	
PROJECT ENGINEER	PROJECT I	MANAGER	DATE FIR	ST ISSUE
1:500 @A1	с	ROHDE	(	C.ROHDE
SCALE AT A1	DRAWN		DESIGNE	)

CITY C	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-282-2019 Sheet 23 of 23
	Approved By Daniel Cromberge
	Approved Date 21/10/2022
1	NOTE: THIS IS NOT A BUILDING APPROVAL
Cortific	action No: 15600
Certino	
	WARNING
BEWAR	WARNING WARNING RE OF UNDERGROUND & OVERHEAD SERVICES
BEWAR	WARNING E OF UNDERGROUND & OVERHEAD SERVICES locations of underground & overhead services are at only & their event position chould be proven on site
BEWAR The approxima	WARNING E OF UNDERGROUND & OVERHEAD SERVICES locations of underground & overhead services are ate only & their exact position should be proven on site. there is given that all existing services are shown Locate
BEWAR The approxima No guarar all uno	WARNING E OF UNDERGROUND & OVERHEAD SERVICES locations of underground & overhead services are ate only & their exact position should be proven on site. Intee is given that all existing services are shown. Locate derground services before commencement of works
BEWAF The approxima No guarar all uno	WARNING E OF UNDERGROUND & OVERHEAD SERVICES locations of underground & overhead services are ate only & their exact position should be proven on site. htee is given that all existing services are shown. Locate derground services before commencement of works DIAL 1100 BEFORE YOU DIG
BEWAF The approxima No guarar all unc	WARNING RE OF UNDERGROUND & OVERHEAD SERVICES locations of underground & overhead services are ate only & their exact position should be proven on site. Intee is given that all existing services are shown. Locate derground services before commencement of works DIAL 1100 BEFORE YOU DIG www.1100.com.au
BEWAF The approxima No guarar all unc	WARNING RE OF UNDERGROUND & OVERHEAD SERVICES locations of underground & overhead services are ate only & their exact position should be proven on site. Intee is given that all existing services are shown. Locate derground services before commencement of works DIAL 1100 BEFORE YOU DIG www.1100.com.au

PROPOSED STORMWATER DRAIN, PIT & PROPERTY INLET

EXISTING STORMWATER DRAIN, PIT & PROPERTY INLET

STORM WATER PIT SETOUT POINT