CONROY'S GREEN STAGE 7 SAN HUBERTO PROPERTY P/L

GENERAL NOTES:

<u>SURVEY</u>

- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 2020, ZONE 54.
- 2. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124–1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
- 4. ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB

EARTHWORKS

- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- 7. ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE UNLESS NOTED OTHERWISE.
- 8. ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798–2007. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.
- 9. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- 10. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 11. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
- 12. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- 13. AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
- 14. ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND KERB AND CHANNEL OR PAVED TRAFFIC AREAS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
- 15. WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DESLUDGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION
- 16. NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS PERMISSION.

SERVICES

17. GAS AND WATER CONDUITS ARE TO BE , Ø50mm . CLASS 12 P.V.C. – SINGLE SERVICE Ø100mm . CLASS 12 P.V.C. – DUAL SERVICE (DRINKING AND NON DRINKING WATER)

WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS: ROAD PAVEMENT - 0.80m VERGE, FOOTPATHS - 0.45m

- 18. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
- 19. WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
- 20. TELSTRA ARE TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS. STORM WATER DRAINAGE
- 21. AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- 22. ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN. ALL R.C. JOINTS ARE TO BE RUBBER RING JOINTED (R.R.J.) UNLESS OTHERWISE SHOWN.

- 23. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- 24. WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB. EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

<u>PAVEMENT</u>

- 25. PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
- WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY 26 THE SUPERINTENDENT AND COUNCIL, FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
- 27. WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.

SIGNAGE AND LINEMARKING

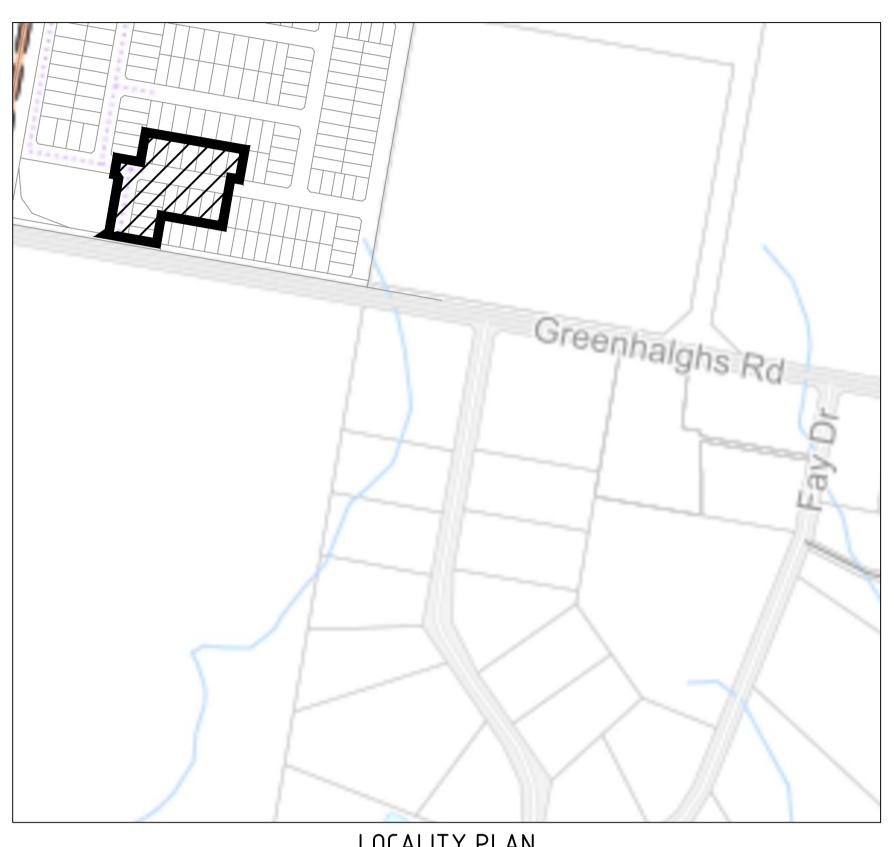
- 28. LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL STANDARDS.
- 29. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- 30. TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS. ENVIRONMENTAL
- 31. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. PRIOR TO THE COMMENCEMENT OF WORKS.
- 32. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE SUPERINTENDENT.
- 33. TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.



WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

				Scale
C A	AMENDED AS PER COUNCIL COMMENTS 6/5/22	A.W	08/05/22	
B A	AMENDED AS PER COUNCIL COMMENTS 25/3/22	A.W	04/04/22	
A F	PRELIMINARY ISSUE	AW	17/02/22	
Rev A	Amendments	Approved	Date	



LOCALITY PLAN H 1:4000 0 40 80 120 160 200 SCALE @ A1

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES – SHEET 1	1	С
CR200	ROAD LAYOUT PLANS - SHEET 1	2	С
CR201	ROAD LAYOUT PLANS - SHEET 2	3	A
CR202	ROAD LAYOUT PLANS - SHEET 3	4	C
CR300	ROAD LONG SECTIONS - SHEET 1	5	В
CR400	ROAD CROSS SECTIONS - SHEET 1	6	А
CR401	ROAD CROSS SECTIONS - SHEET 2	7	A
CR402	ROAD CROSS SECTIONS - SHEET 3	8	В
CR403	ROAD CROSS SECTIONS - SHEET 4	9	В
CR404	ROAD CROSS SECTIONS - SHEET 5	10	A
CR405	ROAD CROSS SECTIONS - SHEET 6	11	А
CR500	INTERSECTION DETAILS - SHEET 1	12	C
CR600	DRAINAGE LONG SECTIONS - SHEET 1	13	В
CR601	DRAINAGE LONG SECTIONS - SHEET 2	14	А
CR602	DRAINAGE LONG SECTIONS - SHEET 3	15	В
CR700	PAVEMENT AND TYPICAL DETAILS – SHEET 1	16	В
CR800	SIGNAGE AND LINEMARKING – SHEET 1	17	С

SERVICE LOCATION TABLE

Ň

MGA 2020

ZONE 54

	ROAD	NAM
LAPWING ENTRANC	E	
BUTCHERBIRD PARA	ADE 🛛	
1. TELECOMMUN	ICATIONS	and e

3. × = OFFSET FROM BACK OF KERB



© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500

spiire.com.au

Designed S.WOOD Authorised A.WILKIE

Checked **B.IBBS** Date 17/02/22



ABN 55 050 029 635

<u>LEGEND</u>

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT		DW
UNDERGROUND ELECTRICITY		E
TELECOMMUNICATIONS & SERVICE PIT	ī _ _	
GAS MAIN	— — — G — — —	G
BRANCH SEWER & MAINTENANCE STRUCTURE	 \$ _	<u>Ş</u>
SEWER & MAINTENANCE STRUCTURE	— — _ S — - O —	S
SEWER RISING MAIN	— — — SRM — — —	
CENTRAL INVERT	> > _	>>
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS	<u>_</u>	· · · · · · · · · · · · · · · · · · ·
COUNCIL STORM WATER PITS		
HOUSE DRAIN	•H	•H
AG DRAIN AND FLUSHER	> AG	──> AG ── ⊙ ─
STORM WATER DRAINAGE PIT TYPE & NUMBER	EX219EP	(302JP)
GAS & WATER CONDUITS	GW	GW
RIDGE / CHANGE OF GRADE LINE		_ · _ · _ · _ · _ · _
SURFACE CONTOUR MINOR		
SURFACE CONTOUR MAJOR		
SURFACE LEVEL BATTER LEVEL (TOP / TOE)	E123.45	F124.68 T124.80
EARTHWORKS GRADE	T124.80	1 124.80 1 in 150
SIGN AND POST	<u> </u>	
STREET SIGN	•>==>	•
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD	-	<u>∠</u> →
ROAD CHAINAGES	CH116.57 (L/R)TP	CH116.57 (L/R)TP
LOT CHAINAGES	CH116.57 CH20.06	СН116.57 СН20.06
SETOUT POINT		Al
LIMIT OF WORKS		
BATTER		
ROCK BEACHING		2222
ROCK DEACHING		
RETAINING WALL		
FENCE – TREE PROTECTION	~ × × × × × ×	~ × × × × × ×
FENCE – VEHICLE EXCLUSION		
FENCES	///	/ / /
	· · · · · · · · · · · · · · · · · · ·	
TREE (& SURVEYED CANOPY) TO BE RETAINED	(EJ)	
TREE TO BE PROTECTED		
TREE TO BE REMOVED		
VEGET Δ ΤΙΩΝ Ι ΙΝΕ		

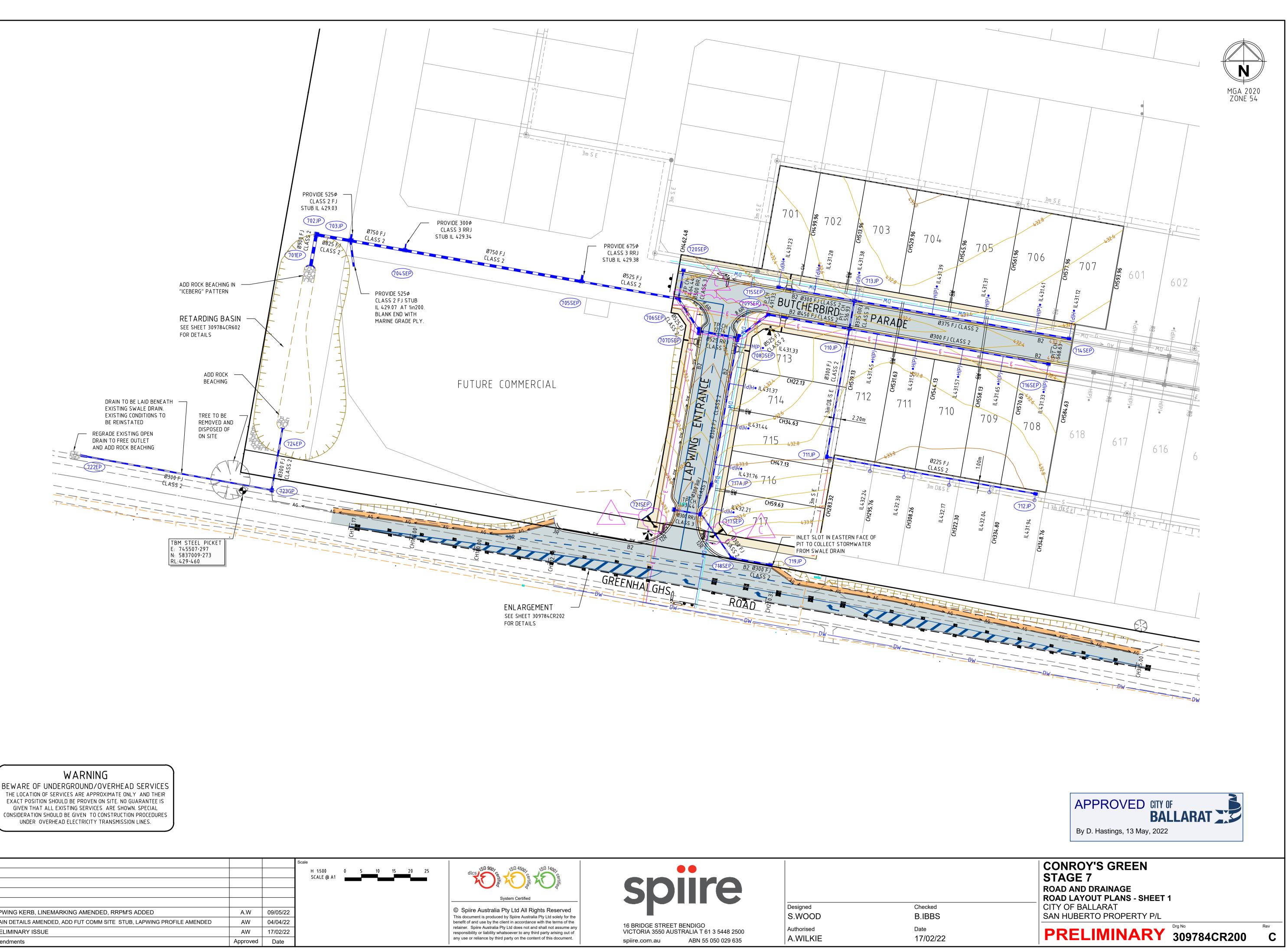
VEGETATION LINE FOOTPATH TACTILE GROUND SURFACE INDICATOR KERB TRANSITION

	ABLE TER	G/	4S	NE (tele	3N ECOM)	ELECTRICITY				
SIDE	IDE OFFSET SIDE		OFFSET	SIDE	OFFSET	U/G C	ABLE			
SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET			
E	2.95	E	2.40	W	1.80	W	2.70			
N	2.95	Ν	2.40	S	1.80	S	2.70			

ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S 2. GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.

······

PRELIMINARY	309784CR100	С
SAN HUBERTO PROPERTY P/L	Drg No	Rev
GENERAL NOTES - SHEET 1		
ROAD AND DRAINAGE		
CONROY'S GREEN STAGE 7		



THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES

Ā					Scale					
					H 1:500 SCALE @ A1		15	20	25	
167										
į	С	LAPWING KERB, LINEMARKING AMENDED, RRPM'S ADDED	A.W	09/05/22						
	В	DRAIN DETAILS AMENDED, ADD FUT COMM SITE STUB, LAPWING PROFILE AMENDED	AW	04/04/22						
	А	PRELIMINARY ISSUE	AW	17/02/22						
<u>ן</u> ו	Rev	Amendments	Approved	Date						

hley W ted by Ast 05/2022 9:'







PRELIMINARY ISSUE А Rev Amendments

tted by Ashley Wil /05/2022 9:19 AM 9

17/02/22

Date

AW

Approved

© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party are the center of the document any use or reliance by third party on the content of this document.

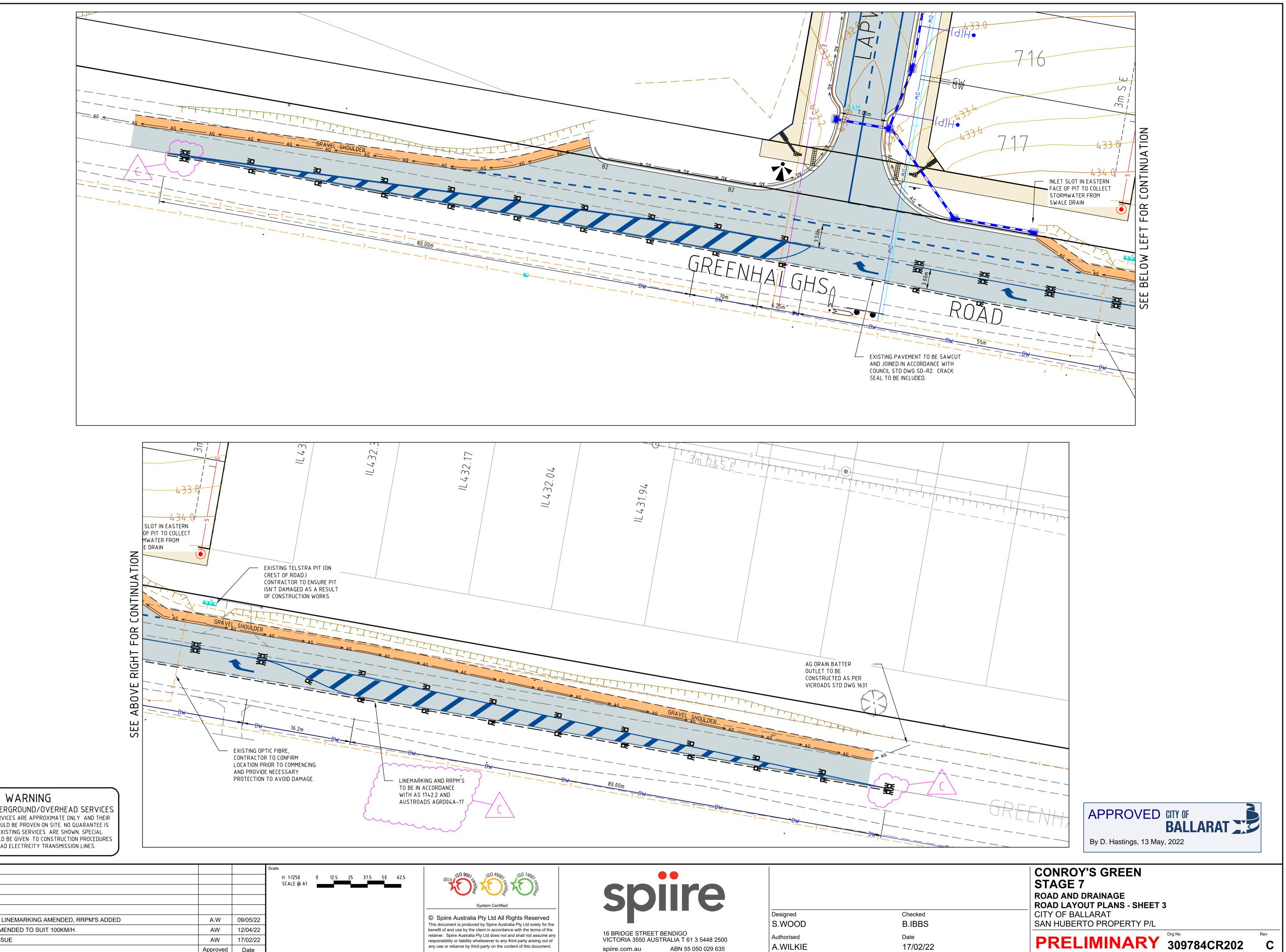
16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

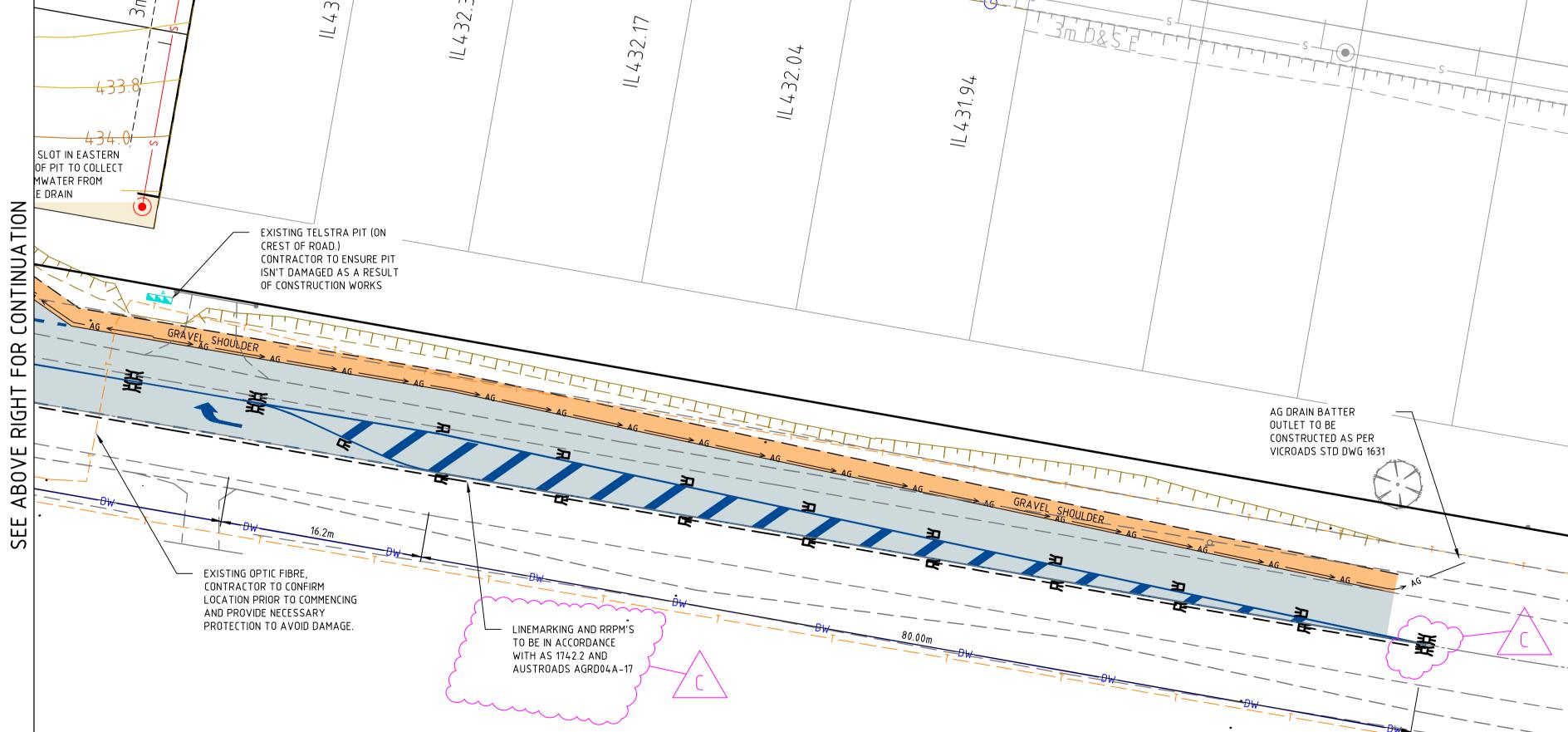
S.WOOD Authorised A.WILKIE **B.IBBS** Date 17/02/22

DEPTH RA	NGES (100m	ım)
FROM	ТО	COLOUR
-	-0.80	
-0.80	-0.70	
-0.70	-0.60	
-0.60	-0.50	
-0.50	-0.40	
-0.40	-0.30	
-0.30	-0.20	
-0.20	-0.10	
-0.10	0.00	
0.00	0.10	
0.10	0.20	
0.20	0.30	
0.30	0.40	
0.40	0.50	
0.50	0.60	
0.60	0.70	
0.70	0.80	
0.80	+	

SAN HUBERTO PROPERTY P/L

PRELIMINARYDrg No
309784CR201Rev
A





BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

				Scale						
				H 1:1250 SCALE @ A1	0	 25	37.5	50	62.5	
) + (
160										
										-
G C	C LAPWING KERB, LINEMARKING AMENDED, RRPM'S ADDED	A.W	09/05/22							© Tł
В	3 TRANSITIONS AMENDED TO SUIT 100KM/H	AW	12/04/22							be
	A PRELIMINARY ISSUE	AW	17/02/22							re re
Re	ev Amendments	Approved	Date							ar

file file



any use or reliance by third party on the content of this document.



ABN 55 050 029 635 spiire.com.au

Designed	Checked
S.WOOD	B.IBBS
Authorised	Date
A.WILKIE	17/02/22

				Scale								
					H 1:500 SCALE @ A1	0	5	10	15	20	25	
					V 1:50	0	0.5	1	1.5	2	2.5	
												<u> </u>
												©
В	LAPWING AMENDED	AW	12/04/22									Th be
А	PRELIMINARY ISSUE	AW	17/02/22									ret re:
Rev	Amendments	Approved	Date									an

BUTCHERBIRD PARADE

6.450 6.450 11.950 11.950 11.950 430.509 12.550 430.506 12.550 430.506 17.450 431.133 17.450 431.133 18.825 431.133 20.000 431.618 22.130 431.461 22.130 431.452 28.825 430.931 43.657 430.931 38.825 429.199 40.000 429.199 43.133 433.0	429.238 429.240 429.240 429.246 429.246 429.246	54.857 429.258 433.4 55.257 429.260 433.4 55.486 429.260 433.4 56.900 429.265 433.5 58.400 429.270 433.5	76.493 76.493 80.000 82.493 87.205 90.204		UTURE STAGE HO LINI	AGE 7								S	TAGE 7	LIMIT OF WORKS	STAGE 6	6		APPRC By D. Hasting	B	ALLARAT
t m m 5 5 5 4 4 1 1 1 1 2 0																						
VERTICAL GEOMETRY		30.00m V	c						<	4	0.00m VC											
DESIGN GRADELINE	0.50%				1.50%						-><						-0.832	%				
DATUM RL 428.5																						
DESIGN CENTRELINE	430.980 431.001 431.014	4.31.066 4.31.113	431.196 431.215 431.301	431.404	431.764 431.787 431.824 431.853	432.087	432.257	432.386 432.387 432.471	432.576	432.621 432.626	432.654 432.663 432.664	432.664 432.642 432.616 432.604	432.602 432.500 432.500	432.468	432.335 432.318	432.279	432.202 432.163	32.08	431.985 431.981 431.954	431.850	431.734	431.651 431.630 431.572 431.568 431.568
LEFT DESIGN BOUNDARY	431.095 431.115 431.128	431.181 431.229	431.311 431.329 431.440	431.570	431.878 431.901 431.938 431.968	432.201	432.371	432.501 432.501 432.586	432.690	432.735 432.741	432.768 432.778 432.779	32.7 32.7 32.7	32.716 32.615	32.583	432.450 432.433		432.316 432.277		432.099 432.096 432.069	431.965 431.933	431.88/	431.833
RIGHT DESIGN BOUNDARY	431.095 431.158 431.158	4,31.327 4,31.375	4,31.4.57 4,31.4.75 4,31.561	4,31.664 4,31.74.7	432.024 432.047 432.084		432.371	432.501 432.501 432.586	432.690	432.735 432.741	432.768 432.778 432.779	432.779 432.757 432.731 432.719			432.450 432.433	432.3	432.316 432.277	432.266 432.200 432.173	432.099 432.096 432.069	431.965 431.933	431.867	431.881 431.890 431.833 431.829 431.829
LEFT DESIGN LIP OF KERB	430.868 430.889 430.902	4,30.954	4,31.085 4,31.103 4,31.189	431.292	431.652 431.675 431.712 431.712 431.742	431.975	432.145	432.274 432.275 432.359	432.464	432.509 432.515	432.542 432.552 432.552	432.552 432.531 432.505 432.493	432.490 432.389 432.389	432.357	432.223 432.206	432.168	432.090 432.051	432.040 431.973 431.947 431.947	431.873 431.869 431.843	1	431.001	431.461 431.456
RIGHT DESIGN LIP OF KERB	430.868 430.889 430.902	4,30.954	4.31.085 4.31.103 4.31.189	4.31.292 4.31.375	431.652 431.675 431.712		432.145	432.274 432.275 432.359	432.464	432.509 432.515	432.542 432.552 432.552	432.552 432.531 432.505 432.493	432.490 432.389 432.389	432.357	432.223 432.206	.168	432.090 432.051	31. 37.	431.873 431.869 431.843	431.739 431.706	431.601	431.540 431.518 431.461 431.461 431.456
EX SURFACE LEFT BOUNDARY							432.680	432.743 432.743 432.750	432.759	432.764	432.717 432.686 432.676	432.674 432.584 432.522 432.500	432.495 432.389		432.216 432.181	432.101	431.993 431.967	923 923 906	431.828 431.824 431.796	431.681	431.544	431.367 431.319 431.194 431.185
EX SURFACE RIGHT BOUNDARY					432.268 432.268 432.311 432.310 432.330	432.473	432.552	432.613 432.613 432.638	432.593		432.489 432.477 432.478	432.478 432.483 432.471 432.470	432.458 432.458 432.366	432.352	432.275 432.240	432.193	432.096 432.057	244 244	431.861 431.857 431.830	31.723	4.31.582	431.367 431.540 431.319 431.518 431.252 431.194 431.250 431.194 431.250 431.185
CHAINAGE	393.457 397.596 400.000	407.457	420.000 421.457 427.596	440.000	458.458 460.000 462.480 464.435	480.000	4,91.335	499.957 500.000 505.631	513.957	519.135 520.000	525.631 529.957 531.34.6		545.957 558.135 558.135	561.957 570.635	577.957 580.000	584.635	593.957 598.635	600.000 607.957 611.135	620.000 620.457 623.635	<u> </u>	650.135	660.000 662.635 669.488 670.000

LAPWING ENTRANCE

VERTICAL GEOMETRY	11.00m VC 20.00m VC 20.00m VC 12.00m VC	
DESIGN GRADELINE		
DATUM RL 427.0		
DESIGN CENTRELINE	431.912 432.055 431.848 431.848 431.848 431.848 431.848 431.848 431.848 431.900 431.917 431.901 431.901 431.901 431.901 431.901 431.901 431.901 431.901 433.040 433.101	
LEFT DESIGN BOUNDARY	- - + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 + 43.043 <	
RIGHT DESIGN BOUNDARY	- - + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 32.042 + 432.042 + 32.042 + 432.042 + 32.042 + 432.042 + 32.042 + 432.042 + 32.042 + 432.042 + 432.041 + 432.041 + 32.042 + 432.041 + 32.042 + 432.041 + 32.042 + 432.041 + 32.042 + 432.041 + 33.014 + 432.041 + 33.014 + 432.041 + 33.014 + 433.011 + 33.014	
LEFT DESIGN LIP OF KERB	- - + 31.686 + 31.686 + 31.686 + 31.686 + 31.756 + 31.756 + 32.878 + 32.338 + 32.574 + 32.378 + 32.574 + 32.574 + 32.574 + 32.574	
RIGHT DESIGN LIP OF KERB	- $+ 31.686$ $+ 31.686$ $+ 31.686$ $+ 31.738$ $+ 31.736$ $+ 32.299$ $+ 32.338$ $+ 32.378$ $+ 32.378$ $+ 32.378$ $+ 32.378$ $+ 32.378$ $+ 32.574$ $+ 32.574$ $+ 32.577$	
EX SURFACE LEFT BOUNDARY	-	
EX SURFACE RIGHT BOUNDARY	A B B B B B B B B B B B B B B B B B B B	STA
CHAINAGE	0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0000 0.000	





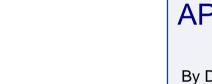


16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

Designed S.WOOD Authorised A.WILKIE

Checked B.IBBS Date 17/02/22 CONROY'S GREEN STAGE 7 ROAD AND DRAINAGE ROAD LONG SECTIONS - SHEET 1 CITY OF BALLARAT SAN HUBERTO PROPERTY P/L

APPROVED CITY OF



ts	
17 Sheel	
6 of	
name 309784CR400.dwg layout name CR400 plotted by Ashley Wilkie location G:\30\309784\Civil\ACAD plot date 09/05/2022 9:19 AM Sheet 6 of 17 Sheets	
yout r INACA	
vg la +∖Civi	
•00.dv 09784	
34CR4 30\3	
30978 on G:\	
ocati	A

	GREENHALGHS ROAD				CH 141.17
				Scale	
				H 1:100 0 SCALE @ A1	1 2 3 4 5
).5 1 1.5 2 2.5
]	
А	PRELIMINARY ISSUE	AW	17/02/22		
Rev	Amendments	Approved	Date		

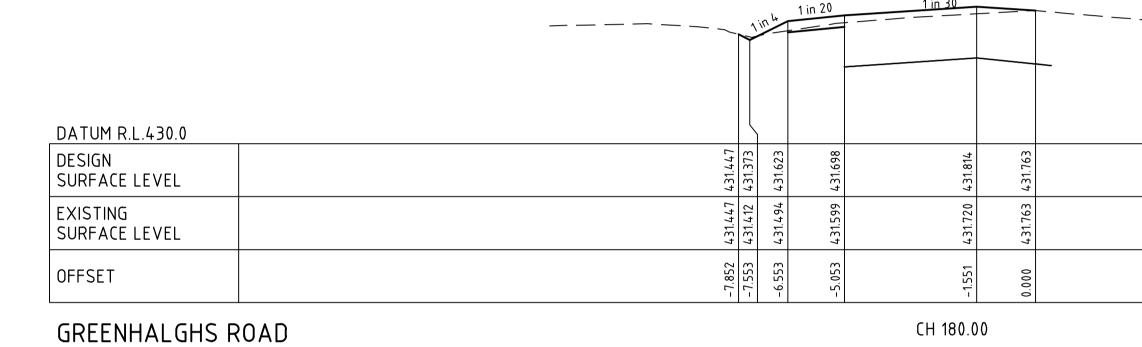
DATUM R.L.429.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

		1 ir	14	1 in 20	1 in 30		
DATUM R.L.429.0							
DESIGN SURFACE LEVEL	430.949	430.587	430.978	431.053	431.169	431.145	
EXISTING SURFACE LEVEL	676.064	430.820	430.946	431.037	431.135	431.145	
OFFSET	-8.742	-7.293	-5.731	-4.231	-0.727	0.000	
GREENHALGHS ROAD					CH 160.00		



GREENHALGHS ROAD

DATUM R.L.430.0									
DESIGN SURFACE LEVEL	432.248	431.847	432.097	432.172		432.486	432.408	4.32.249	
EXISTING SURFACE LEVEL	432.248	432.243	432.240	432.237		432.356	432.408	4.32.249	
OFFSET	- 15.829	-14.227	-13.227	-11.727		-2.326	0.000	3.4.79	
GREENHALGHS ROAD					CH 202.90				

1 in 3

1 in 64.6

1 in 10.9 1 in 20

.430

430.

424

30

.002

430.233

30.233

.7.132

© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of

16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

spire

Checked Designed S.WOOD B.IBBS Date Authorised A.WILKIE 17/02/22

GREENHALGHS ROAD

DESIGN SURFACE LEVEL 433.895 433.653 433.828 433.853 -12.391 433.895 -11.424 433.907 -10.724 433.916 -10.224 433.892 EXISTING SURFACE LEVEL OFFSET

OFFSET 525(7) 09 09 500 GREENHALGHS ROAD CH 273.00			4	'	3	4	4	
	OFFSET	-12 352	-11.460	07701	- 10.400	-8.960	-3.032	
DATUM R.L.432.0	GREENHALGHS R	OAD					CH 273.00	
				4 1-	in 2	0	<u>1 in 30</u>	
							~	

		1:	•	1 in 20	1 in 30			
		47 24	1 in 8	<u>– 1.in 20</u>				
DATUM R.L.432.0								
DESIGN SURFACE LEVEL	433.929	433.706	433.831	433.906	434.104	434.003	433.928	
EXISTING SURFACE LEVEL	433.929	433.940	433.939	433.864	433.986		433.928	
OFFSET	-12.352	-11.460	-10.460	-8.960	- 3.032	0.000	3.188	

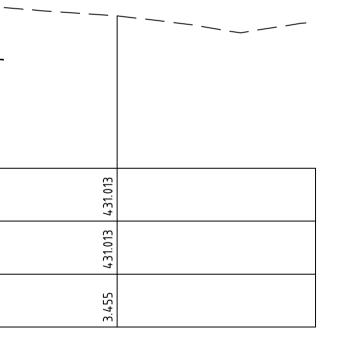
DATUM R.L.432.0							
DESIGN SURFACE LEVEL	433.897	433.912	434.037	434.154	434.054	433.951	
EXISTING SURFACE LEVEL	433.897	433.885	433.932	434.017	434.054	433.951	
OFFSET	-8.267	-8.204	-6.504	-3.000	0000	3.248	
GREENHALGHS ROAD				СН	283.32		

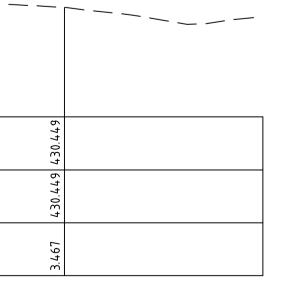
1 in 20

			\uparrow				
DATUM R.L.432.0	r						
DESIGN SURFACE LEVEL		433.884	433.693	433.943	434.018	434.135	
EXISTING SURFACE LEVEL		433.884	433.868	433.847	433.857	433.984	
OFFSET		-9.763	-9.000	-8.000	-6.500	-3.000	
GREENHALGHS R	ROAD					CH 29	0.79

1 in 4 \sim

CH 270.33





System Certified

any use or reliance by third party on the content of this document.

_ _ _ _

.922

____/

433.					
433.922					
3.173					
			PROVE	BALLARAT	
	CONROY STAGE 7 ROAD AND I ROAD CROS CITY OF BAL SAN HUBER	D RAINAGI SS Sectic Larat	E DNS - SHEE	ET 1	
	PREL	IMIN	ARY	Drg No 309784CR400	Rev A

434.035	433.920	
434.035	433.920	
0.000	3.297	

Excl	F	
434.035 434.035	433.920 433.920	
434.035	433.920	
000	.297	

	SURFACE LEVEL
	OFFSET
	GREENHALG
	DATUM R.L.432.(
	DESIGN SURFACE LEVEL
	EXISTING SURFACE LEVEL
	OFFSET
	GREENHALC
A Rev	PRELIMINARY ISSUE
	1

tted by Ashley Wi 05/2022 9:19 AM 9

blo

AD plot date

file name 309784CR400.dwg layout file location G:\30\309784\Civil\AC

			Scale							
			H 1:100	0	1	2	3	4	5	
			SCALE @ A1 V 1:50	0	0.5	1	1.5	2	2.5	
										© Thi
										ber
PRELIMINARY ISSUE	AW	17/02/22								reta res
Amendments	Approved	Date								any

EXISTING SURFACE LEVEL		433.923	433.829	433.736	4 33.769		433.922		433.978			433.858			
OFFSET		-10.154	-9.007	-8.007	-6.507		-3.007		0.000			3.335			
GREENHALGHS R	ROAD					Cł	1 295.75								
								Scale							
									⊣ 1:100 SCALE @ A	0	1	2	3	4	5
									v 1:50	0	0.5	1	1.5	2	2.
								_							

433.961

GHS ROAD

			n 4	1 in 20	1 in 3	<u> </u>		
DATUM R.L.432.0								
DESIGN SURFACE LEVEL	433.706	433.495	433.745	433.820	433.937	433.835	433.704	
EXISTING SURFACE LEVEL	433.706	433.652	433.539	433.588	433.768	433.835	433.704	
OFFSET	- 9.899	-9.059	-8.059	-6.559	-3.059	0.000	3.431	
GREENHALGHS R	ROAD				CH 30	8.25		

1 in 4 1 in 20

433.923

433.636

GREENHALGHS ROAD

	 		in 4	1 in 20	<u>1 in 30</u>			
DATUM R.L.432.0								
DESIGN SURFACE LEVEL	רוח גבח דוח גבח	433.216	433.466	433.541	433.657	4 33.573	433.456	
EXISTING SURFACE LEVEL	נוס גבס	433.375	433.284	433.394	433.540	433.573	433.456	
OFFSET	975 B-	-8.529		-6.029	-2.526	0.000	3.353	
GREENHALGHS R	OAD				CH 322	.30		

GREENHALGHS ROAD

							_	
DATUM R.L.432.0								
DESIGN SURFACE LEVEL	433.148	432.955	433.205	433.280	433.397	433.329	433.229	
EXISTING SURFACE LEVEL	433.148	433.025	433.032	433.140	433.311	433.329	433.229	
OFFSET	-8.804	-8.033	-7.033	-5.533	-2.030	0.000	3.266	

1 in 4 1 in 20

GREENHALGHS ROAD

CH 340.79

CH 334.80

----~

	 L		n 4	1 in 20	<u>1 in 30</u>		 -	
DATUM R.L.431.0 DESIGN SURFACE LEVEL	432.994	432.789	433.039	433.114	433.230	433.170	433.067	
EXISTING SURFACE LEVEL	432.994	432.856	432.911	433.016	433.153	433.170	433.067	
OFFSET	-8.627	-7.806	-6.806	-5.306	-1.804	0.000	3.249	

Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the etainer. Spiire Australia Pty Ltd does not and shall not assume any sponsibility or liability whatsoever to any third party arising out of v use or reliance by third party on the content of this document.

16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

spire

Designed Checked S.WOOD **B.IBBS** Date Authorised 17/02/22 A.WILKIE



		1 ir	14	1 in 20	<u>1 in 30</u>			
DESIGN SURFACE LEVEL	432.802	432.499	432.804	432.879	432.996	432.946	432.838	
EXISTING SURFACE LEVEL	432.802	432.667	432.749	432.851	432.931	432.946	432.838	
OFFSET	-8.942	-7.730	-6.509	-5.009	-1.506	0.000	3.231	
GREENHALGHS ROA	D				CH 348.76			

GREENHALGHS ROAD

	— — — — — — — — — — — — — — — — — — —			1 in 20	<u>1 in 30</u>			/
DATUM R.L.431.0								
DESIGN SURFACE LEVEL	432.443	432.009	432.393	432.468	432.585	432.552	432.435	
EXISTING SURFACE LEVEL	432.443	432.266	432.395	432.525	432.537	432.552	432.435	
OFFSET	-9.367	-7.632	-5.986	-4.486	-0.984	0.000	3.200	

GREENHALGHS ROAD

	— — — — — — — — — — — — — — — — — — —			<u>1 in 20</u>	<u>1 in 30</u>		 	^
DATUM R.L.431.0								
DESIGN SURFACE LEVEL	432.443	432.009	432.393	432.468	432.585	432.552	32.	
EXISTING SURFACE LEVEL	432.443	432.266	432.395	432.525	432.537	432.552	32.43	
OFFSET	-9.367	-7.632	-5.986	-4.486	- 0.984	0.000		

GREENHALGHS ROAD

/

GREENHALGHS ROAD					85.00			
				1 in 20	1 in 40 1	in 3	30 <u> </u>	
		1/17 4	1 in 6					/
							-	
DATUM R.L.431.0								
DESIGN SURFACE LEVEL	432.027	431.803	432.125	432.200	432.287	432.270	432.179	
EXISTING SURFACE LEVEL	432.027	431.924	432.120	432.231	432.261	432.270	432.179	
OFFSET	-8.453	-7.558	-5.513	-4.013	-0.511	0.000	3.234	

CH 375.27

CH 362.76

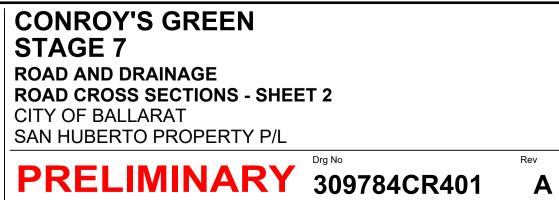
CH 362.76

_		1 in 10.2	a: Prop.GRAVEL	LINEMARKING Prop. UINEMARKING 7 iu 28.6	Excl	E × E O B	
DATUM R.L.430.0	2	5	12	ż2		<u>م</u>	
DESIGN SURFACE LEVEL	431.692	431.927	432.002	432.062	432.057	431.989	
EXISTING SURFACE LEVEL	431.692	431.900	432.001	432.055	432.057	431.989	
OFFSET	<i>-</i> 7.536	-5.145	-3.645	-0.142	0.000	3.265	
GREENHALGHS RO	ΔΠ			CH 385.00			

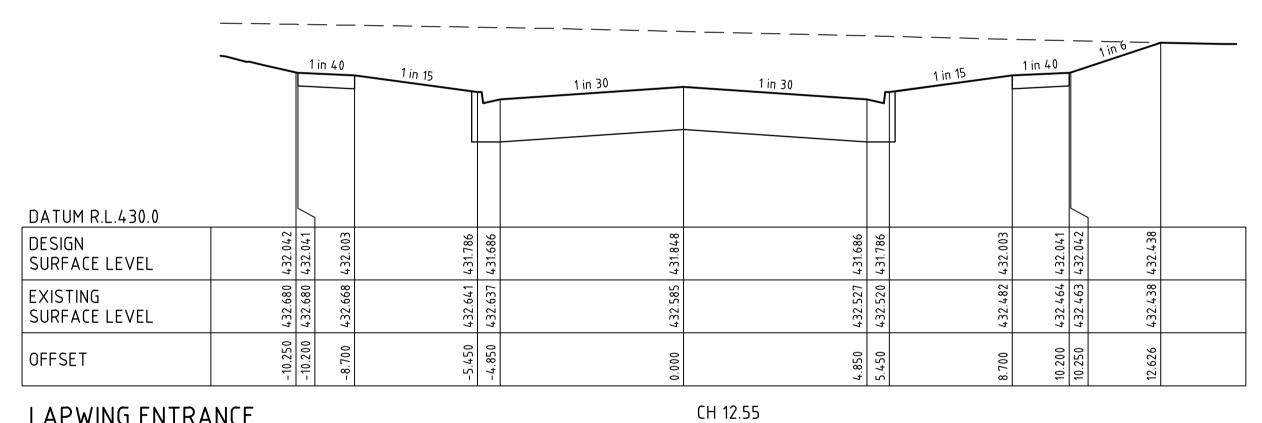
FILLING NOTE

ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

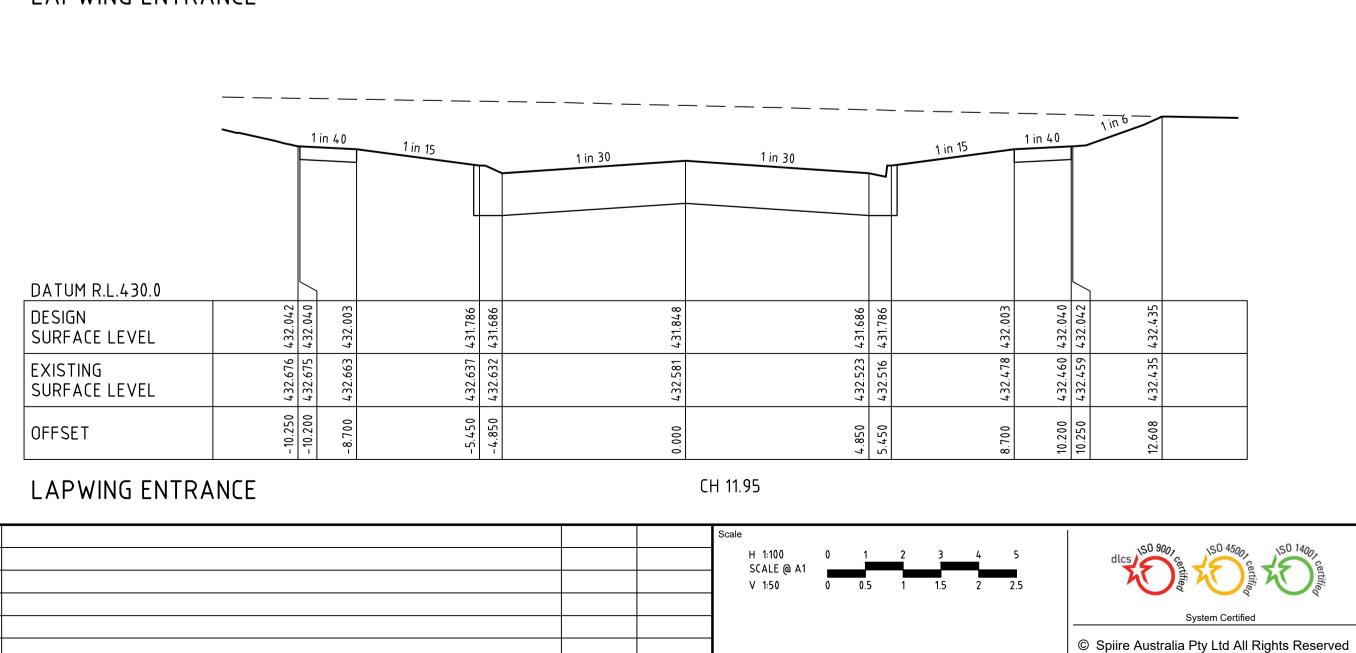




(BL					20.5m (ROA	D RESERVE)					BL
5	0.05m	1.5	m	3.25m		2.25m	3.05m	3.05m	2.25m		3.25m	1.5m	
<pre>}</pre>		F00TP	PATH -	B2 0.6m		PARKING	TRAFFIC LANE	TRAFFIC LANE		i	B2 0.6m	FOOTPA	TH
<pre></pre>		1 in	40	1 in 15	ľ		1 in 30	1 in 30			1 in 15	1 in 4()
(~					~	~~~	~					
DATUM R.L.430.0													
DESIGN SURFACE LEVEL	311 061	432.144	432.106	431.890	431.790		431.951		431.790	431.890		432.106	432.144
EXISTING SURFACE LEVEL	T18 CC.1	432.816	432.789	432.730	432.718		432.651		432.595			432.59	432.532
OFFSET	10 250	-10.200	-8.700	-5.450	-4.850		000.0		4.850	5.450			10.200 10.250
LAPWING ENTR	ANCE		•					CH 20.00					







AW

AW

Approved

12/04/22

17/02/22

Date

B LAPWING AMENDED A PRELIMINARY ISSUE Rev Amendments



spire Checked Designed S.WOOD **B.IBBS** Authorised Date 17/02/22 A.WILKIE ABN 55 050 029 635

LAPWING ENTRANCE

		1 in	40	1 in 15		1 in 30	1 in 30			_
DATUM R.L.430.0 DESIGN	191	190	152	936	836	L66		836	936	
SURFACE LEVEL	432.191	432.190	432.152	4.31.936	431.836				431.936	
EXISTING SURFACE LEVEL	432.879	432.878	432.849	432.787	432.776	432.694		432.638	432.631	
OFFSET	-10.250	-10.200	-8.700	-5.450	-4.850	0.000		4.850	5.450	
LAPWING ENTRA	NCE						CH 22.13			

433.094 432.434 433.093 432.433 432.985 432.265 432.971 432.165 DESIGN SURFACE LEVEL EXISTING SURFACE LEVEL -5.450 -4.850 10.250 OFFSET

1 in 25

1 in 40

CH 40.00

CH 34.63

1 in 30

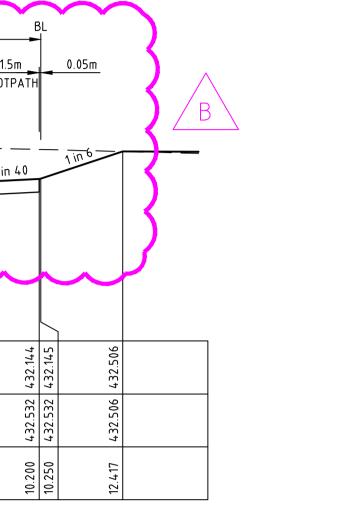
.165 .265

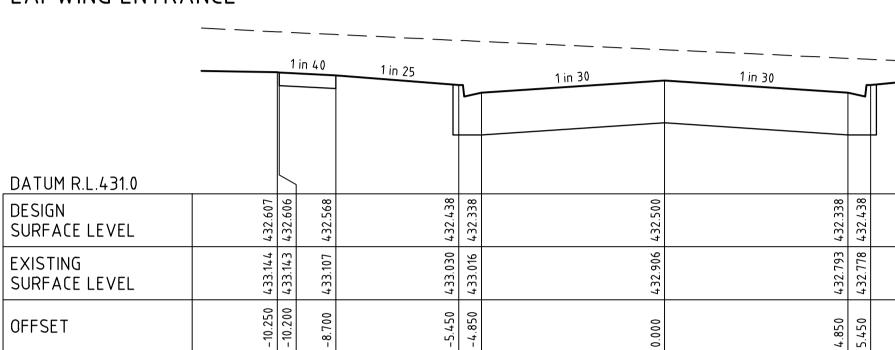
432. 432.

432.740 432.725

4.850 5.450

1 in 30



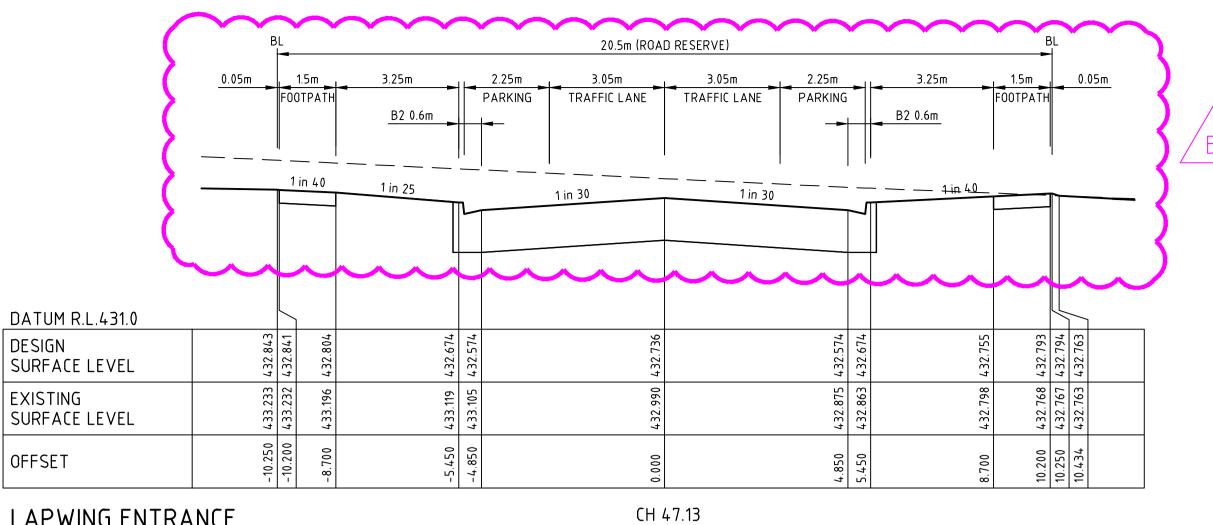


LAPWING ENTRANCE

LAPWING ENTRANCE

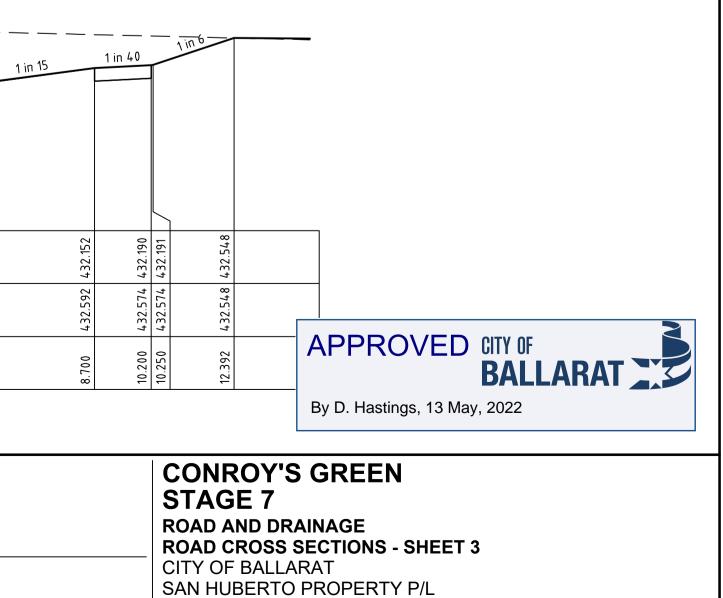
DATUM R.L.431.0

LAPWING ENTRANCE



1 in 20.5		_1.in (+0	_		
1 2 .						
				Ц	\geq	1
	432.597		432.634	432.636	432.673	
	432.704 432.597		432.676 432.634	432.676	432.673	
	8.700		10.200	10.250	10.472	

1 in 15		1 in 40	110	6	
	+82	519	521 /	537	
	432.482	432.5	432.5	432.637	
	432.663	432.646 432.519	432.645 432.521	432.637	
	8.700	10.200	10.250	10.951	



PRELIMINARYDrg No
309784CR402RevB

В	LAPW
А	PREL
Rev	Amen

			Scale							
				0	1	2	3	4	5	
			SCALE@0.A1 V 1:50	0	0.5	1	1.5	2	2.5	
										© S This d
LAPWING AMENDED	AW	12/04/22								benef
PRELIMINARY ISSUE	AW	17/02/22]							retain respo
Amendments	Approved	Date								any u

LAP	WING	ENT	RANC

		1 in 40	1 in 15		1 in 30			1 in 40	
DATUM R.L.431.0	L	\mathbf{i}							
DESIGN SURFACE LEVEL	433.228	433.226 433.189	432.972	432.872	433.034	432.872	432.972	433.053	433.091
EXISTING SURFACE LEVEL	433.417	433.417 433.392	433.317	433.296	433.080	432.997	432.983	432.918	432.889
OFFSET	-10.250	-10.200 -8.700	-5.450	-4.850	0.000	4.850	5.450	8.700	10.200

LAPWING ENTRANCE

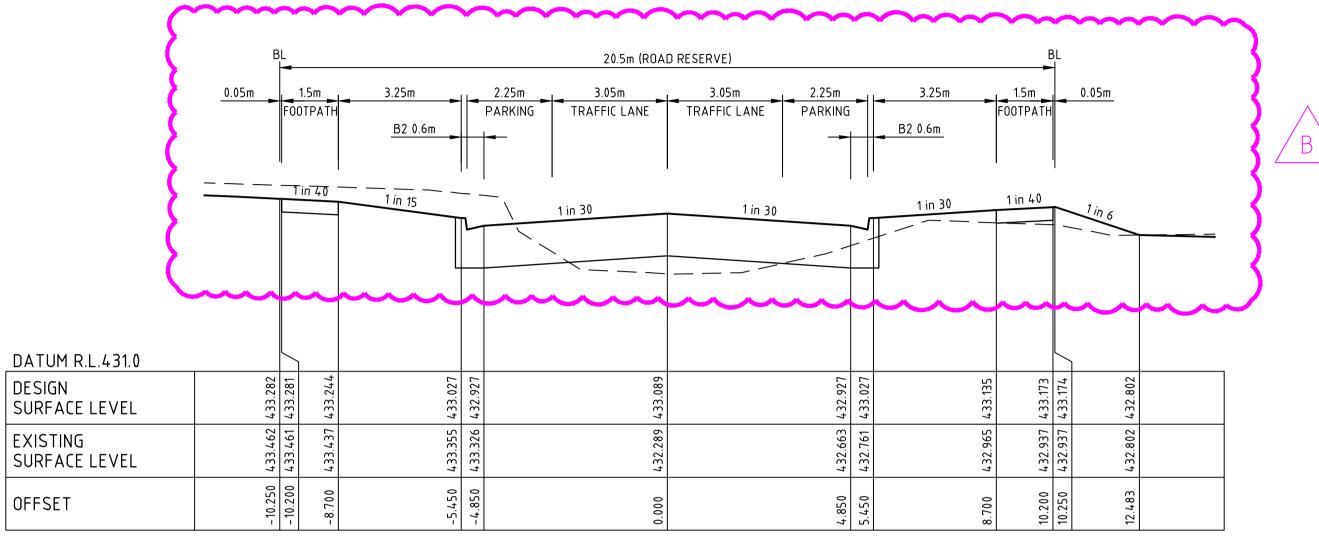
CH 60.00

CH 59.63

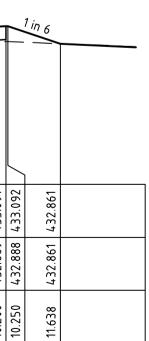
		1 in 4	∓0 ——	1 in 15		1 in 30	1 in 30		1 in 38.7	1 in 4()
DATUM R.L.431.0											
DESIGN SURFACE LEVEL	433.234	433.232	433.195	432.978	432.878	433.040	432.878	432.978	433.062		433.100
EXISTING SURFACE LEVEL	433.421	433.421	433.396	433.327	433.306	432.989	433.000	432.985	432.921		432.892 432.891
OFFSET	-10.250	-10.200	-8.700	-5.450	-4.850		4.850	5.450	8.700		10.200 10.250

LAPWING ENTRANCE

CH 63.44









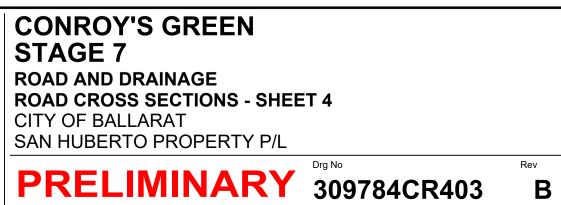
This document is produced by Spiire Australia Pty Ltd solely for the penefit of and use by the client in accordance with the terms of the etainer. Spiire Australia Pty Ltd does not and shall not assume any esponsibility or liability whatsoever to any third party arising out of y use or reliance by third party on the content of this document.



16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

Designed S.WOOD Authorised A.WILKIE

Checked B.IBBS Date 17/02/22



By D. Hastings, 13 May, 2022



				Scale							
				H 1:100	0	1	2	3	4	5	
				SCALE @ A1 V 1:50	0	1 0.5	1	1.5	2	2.5	
											-
											b
А	PRELIMINARY ISSUE	AW	17/02/22								n n
Rev	Amendments	Approved	Date								a

BUTCHERBIRD PARADE

1 in 15 1 in 40 1 in 30 1 in 30 DATUM R.L.430.0 431.938 431.937 DESIGN 812 712 812 SURFACE LEVEL 431.4 431.431. 432.362 4 432.365 4 432.311 432.311 432.326 432.327 EXISTING SURFACE LEVEL 32 -9.000 1 -3.950 -3.350 OFFSET 3.350 3.950

BUTCHERBIRD PARADE

				1 in 40		1 in 30	1 in 30		1 in 15	1 in 40	111	.0	
DATUM R.L.430.0													
DESIGN SURFACE LEVEL	431.968	431.967	431.929	431.842	431742	431./42	431.742	431.842	432.075	432.112	4 32.114	432.421	
EXISTING SURFACE LEVEL	432.330	432.330	432.335	432.345	L75 657	432.347	432.382	432.385	432.403	432.411	432.411	432.421	
OFFSET	000.6-	-8.950	-7.450	-3.950	-3 350	0000.0	3.350	3.950	7.450	8.950	000.6	10.842	
BUTCHERBIRD P	ARADE					(CH 464.44						

BUTCHERBIRD PARADE

CH 491.33

CH 462.48

				1 in 40	L _	1 in 30	1 in 30		1 in 40			
DATUM R.L.431.0		<u> </u>										
DESIGN SURFACE LEVEL	432.371	432.370	432.333	432.245	432.145	432.257	432.145	432.245	432.333	432.370	432.371	
EXISTING SURFACE LEVEL	432.552	432.553	432.559	432.574	432.576	432.606	432.635	432.640	432.669	432.680	432.680	
OFFSET	000.6-	-8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	7.450	8.950	9.000	

BUTCHERBIRD PARADE

CH 499.96

18m (ROAD RESERVE)

	0.05m	1.5m	3.5m	4	3.35m	3.35m	4	3 .5r
		FOOTPATH	<u>B2 0.6m</u>		-			B2 0.6m
					1 in 30	1 in 30		
DATUM R.L.431.0								
DESIGN SURFACE LEVEL	432.501	432.499 432.462	432.374	432.274	432.386	432.274	432.374	
EXISTING SURFACE LEVEL	432.613	432.613 432.619	432.634	432.637	432.666	432.696	432.701	
OFFSET	- 9.000	-8.950 -7.450	- 3.950	-3.350	0.000	3.350	3.950	



- 1m

432.083 432.084

432.391 432.392

8.950 9.000

432.046

432.384

7.450

432.402

432.402

10.903

1 in 40

spire 16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500

spiire.com.au

Designed S.WOOD Authorised A.WILKIE ABN 55 050 029 635

Checked **B.IBBS** Date 17/02/22

CH 500.00



				1 in 40		1 in 30	1 in 30		— Т
DATUM R.L.431.0									
DESIGN SURFACE LEVEL	4 32.501	432.500	432.463	432.375	432.275	432.387	432.275	432.375	
EXISTING SURFACE LEVEL	432.613	432.613	432.620	432.635	432.638	432.667	432.696	432.701	
OFFSET	0000-	-8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	

BUICHERBIRD PARADE

			1 in 40	Γ	— — † in 3 0 — —	† in 30		1 -in 4 0			
DATUM R.L.431.0								Ŭ			1
DESIGN SURFACE LEVEL	432.690	432.652	432.564	432.464	432.576	432.464	432.564	432.652	432.689	432.690	
EXISTING SURFACE LEVEL	432.593 432.593	432.603	432.626	432.630	432.677	432.726	432.731	432.750	432.759	432.759	
OFFSET	-9.000	-7.450	-3.950	-3.350	0.000	3.350	3.950	7.450	8.950	9.000	
BUTCHERBIRD P	ARADE				CH 5	13.96					

BUTCHERBIRD PARADE

CH 519.13

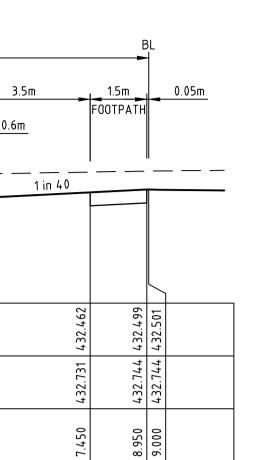
DATUM R.L.431.0		\rightarrow							L
DESIGN SURFACE LEVEL	432.735	432.734	432.696	432.609	432.509	432.621	432.509	432.609	
EXISTING SURFACE LEVEL	432.551	432.551	432.566	432.589	432.593	4.32.638	432.687	432.696	
OFFSET	-9.000	-8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	

1 in 40

CH 529.96

				1 in 40	_	1 in 30	1 in 30	_	
				L					μ
DATUM R.L.431.0									
DESIGN SURFACE LEVEL	432.778	432.777	432.739	432.652	432.552	432.663	432.552	432.652	
EXISTING SURFACE LEVEL	432.477	432.477	432.493	432.531	432.538	432.557	432.592	432.601	
OFFSET	000.6-	-8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	

BUTCHERBIRD PARADE



432.	432.				
8.950	0.000				
1 in 40		1 111 6		-	

BUTCHERBIRD PARADE

<u>1 in 30 _____ 1in 30 ____</u>

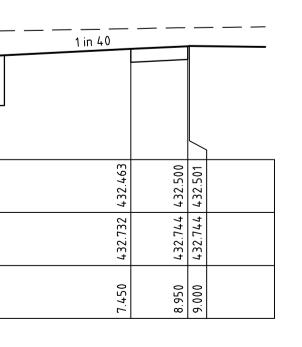
CH 531.63

				1 in 40	_	1 in 30	1 in 30	_	
DATUM R.L.431.0									
DESIGN SURFACE LEVEL	432.779	432.777	432.740	432.652	432.552	432.664	432.552	432.652	
EXISTING SURFACE LEVEL	432.478	432.478	432.488	432.526	432.532	4.32.551	432.577	432.585	
OFFSET	000.6-	-8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	

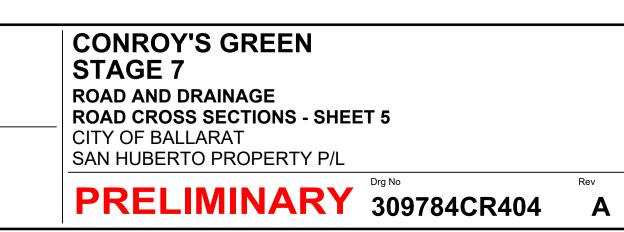
1 in 40			 _
		\square	
432.740	432.777	432.779	
432.639 432.740	432.672 432.777	432.674	
7.450	8.950	9.000	

1 in 40			
		Ĺ	
6		8	
2.73.	2.77	2.77	
432	432	432	
551	585	586	
432.651 432.739	432.685 432.777	432.686 432.778	
7	7	7	
7.450	8.950	9.000	
4 [.] L	8.9	9.6	

432	
432.747 432.696 432.764 432.734 432.764 432.735	
432	
7.450 8.950 9.000	
8.9	



By D. Hastings, 13 May, 2022



				Scale								
					H 1:100 SCALE @ A1	0	1	2	3	4	5	
					V 1:50	0	0.5	1	1.5	2	2.5	
												be
А	PRELIMINARY ISSUE	AW	17/02/22									re
Rev	Amendments	Approved	Date									ar

BUTCHERBIRD PARADE

CH 544.13

				1 in 40	₽	1 in 30	1 in 30		1 in 40
DATUM R.L.431.0				L					
DESIGN SURFACE LEVEL	432.731	432.730	432.692	432.605	432.505	432.616	432.505	432.605	432.692
EXISTING SURFACE LEVEL	432.471	432.471	432.473	432.474	432.475	432.477	432.484	432.486	432,495
OFFSET	- 9.000	-8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	7.450

BUTCHERBIRD PARADE

CH 545.96

			1 in 40 		1 in 30	1 in 30		1 in 40
DATUM R.L.431.0								
DESIGN SURFACE LEVEL	432.716	432.715 432.678	432.590	432.490	432.602	432.490	432.590	432.678
EXISTING SURFACE LEVEL	432.458	432.458	4	432.460	432.462	432.466	432.468	432.476
OFFSET	-9.000	-8.950 -7.450	6	-3.350	0.00.0	3.350	3.950	7.450

BUILTERBIRD PARADE

			1 in 40	n	1 in 30	1 in 30	r	1 in 40			
DATUM R.L.431.0		1									
DESIGN SURFACE LEVEL	4.32.615 4.32.614	432.576	432.489	432.389	432.500	432.389	432.489	432.576	432.614	432.615	
EXISTING SURFACE LEVEL	432.366 432.366	432.361	432.362	432.362	432.364	432.367	432.369	432.383	432.389	432.389	
OFFSET	-9.000 -8.950	-7.450	-3.950	-3.350	0.00	3.350	3.950	7.450	8.950	9.000	
	ARADE				СН 5	58.13					

BUTCHERBIRD PARADE

CH 561.96

			1 in 40	_	1 in 30	1 in 30		1 in 40			
DATUM R.L.431.0			L					Ť			
DESIGN SURFACE LEVEL	432.583	432.544	432.457	432.357	432.468	432.357	432.457	432.544	432.582	432.583	
EXISTING SURFACE LEVEL	432.352 432.352	432.347	432.337	432.335	432.336	645.349	432.352	432.366	432.372	432.372	
OFFSET	-9.000 -8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	7.450	8.950	9.000	
						(4.0)					

BUTCHERBIRD PARADE

CH 570.63

			1 in 40	-	1 in 30	1 in 30	-	1 in 40			
				4							
			L								
DATUM R.L.431.0		ı								\mathbb{N}	1
DESIGN SURFACE LEVEL	432.511 432.509	432.472	432.384	432.284	432.396	432.284	432.384	432.472	432.509	432.511	
EXISTING SURFACE LEVEL	432.319 432.319	432.319	432.322	432.322	432.325	432.328	432.329	32.	432.333	432.333	
OFFSET	-9.000 -8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950		8.950	9.000	

ted by Ashley W 15/2022 9:19 AM blg AD plot date (file name 309784CR400.dwg layout file location G:\30\309784\Civil\AC



432.494 432.715 432.495 432.716

8.950 9.000

432.521 432.730 432.522 432.731

8.950 9.000

.692



Designed Authorised ABN 55 050 029 635

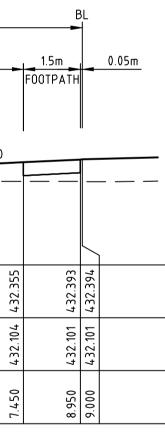
Checked B.IBBS Date 17/02/22

BUTCHERBIRD PARADE

spiire.com.au

BUTCHERBIRD P	ARADE				CH 58	34.63		
			1 in 40	_	1 in 30	1 in 30	_	1 in 40
				1-			Ļ	
			L					
DATUM R.L.431.0		ן ו						
DESIGN SURFACE LEVEL	432.450 432.448	432.411	432.323	432.223	432.335	432.223	432.323	432.411
EXISTING SURFACE LEVEL	432.275 432.275	432.270	432.258	432.256	432.245	432.234	432.232	432.220
OFFSET	-9.000 -8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	7.450
BUTCHERBIRD P	ARADE	· · ·			CH 5'	77.96		

	BL -				18m (ROAD	RESERVE)			
		1.5m	3.5m	+ +	3.35m	3.35m	4	3.5m	1.5
	FO	ΟΤΡΑΤΗ	B2 0.6m		-			B2 0.6m	FOOTF
			1 in 40	' n	1 in 30	1 in 30	 	1 in 40	
								+	
DATUM R.L.431.0			L						
DESIGN SURFACE LEVEL	432.394 432.393	432.355	432.268	432.168	432.279	4 32.168	432.268	432.355	
EXISTING SURFACE LEVEL	432.193 432.192	432.178	432.145	432.140	432.127	432.116	432.114	432.104	
OFFSET	-9.000 -8.950	-7.450	-3.950	-3.350	0.000	3.350	3.950	7.450	
		· · · · ·							



432.216 432.448 432.216 432.450

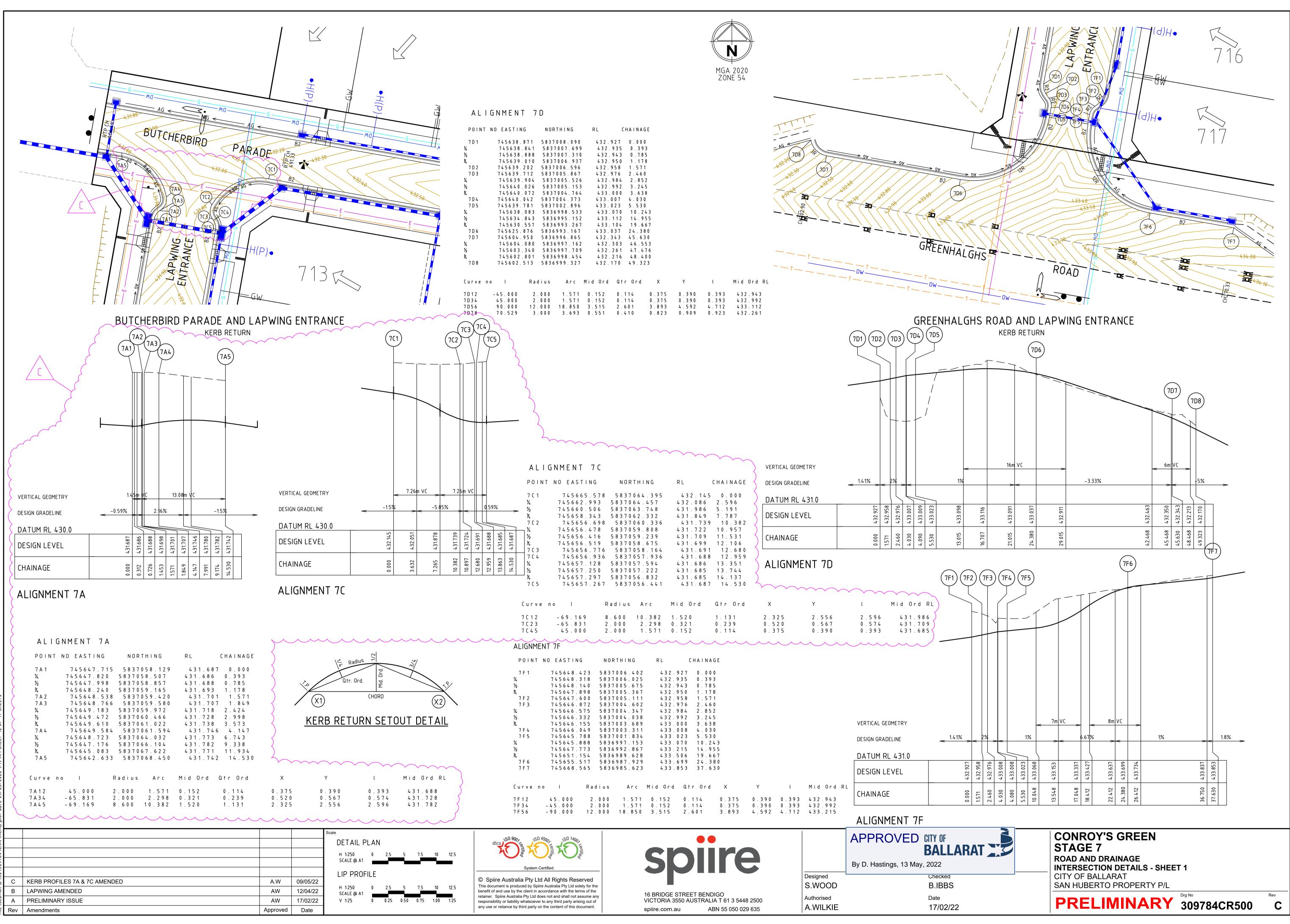
8.950 9.000





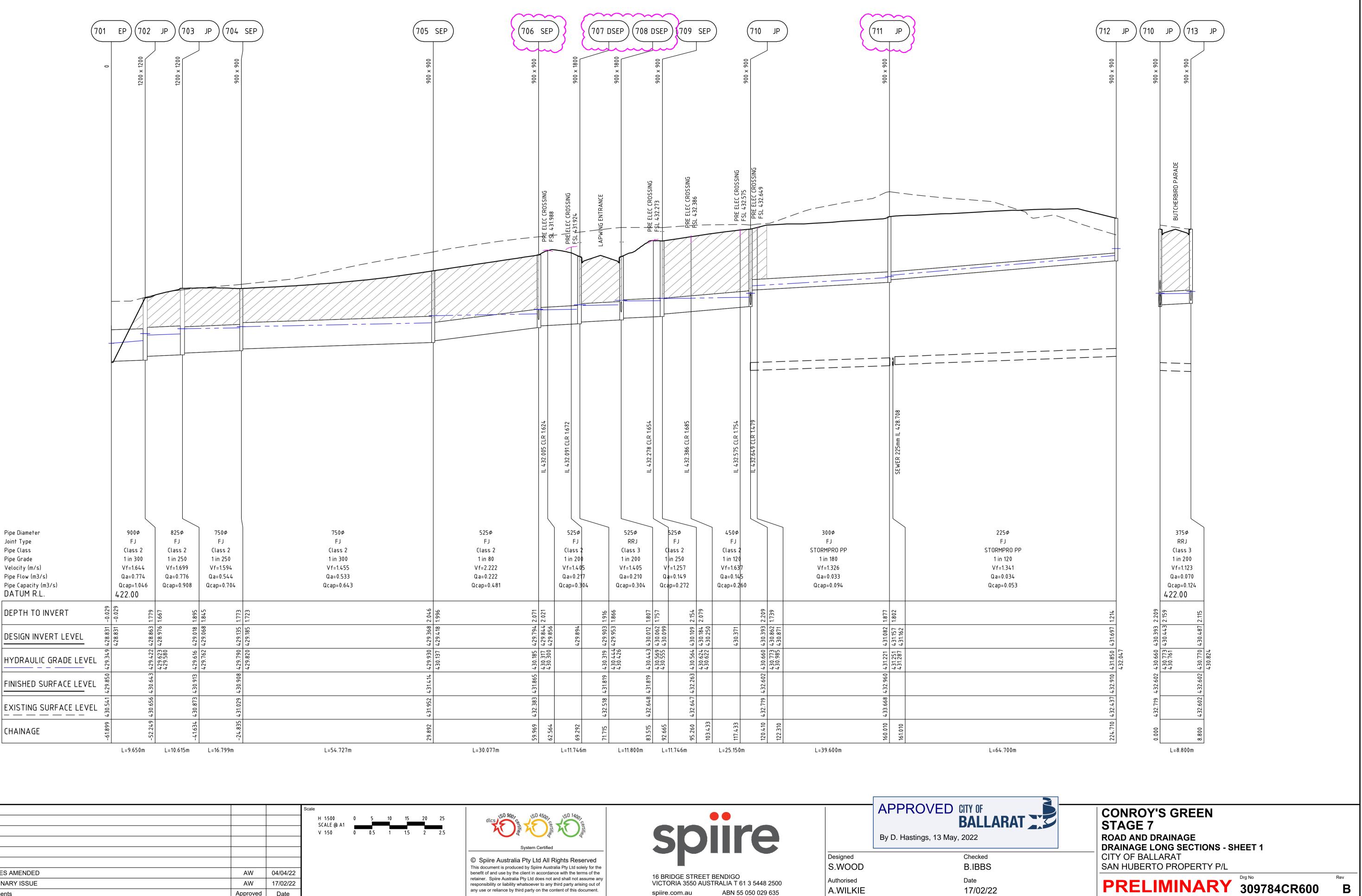
Rev

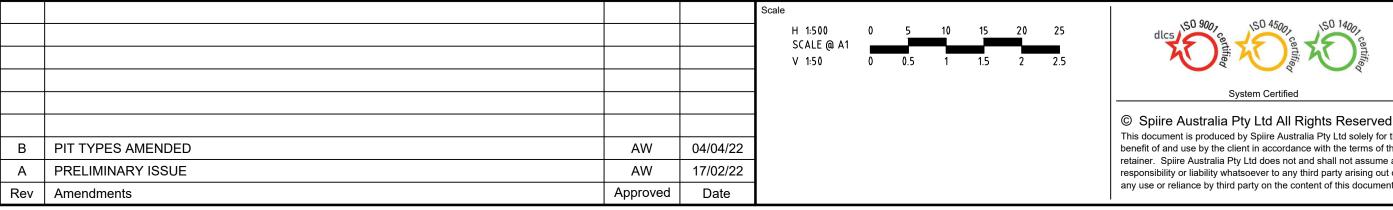
Α



name 309784CR500.dwg layout name CR500 plotted by Ashley Wilkie Incation 6:\30\30\30\784\Tivil\AFAD nInt date 09/05/2022 9:19 AM Sheet 12 of







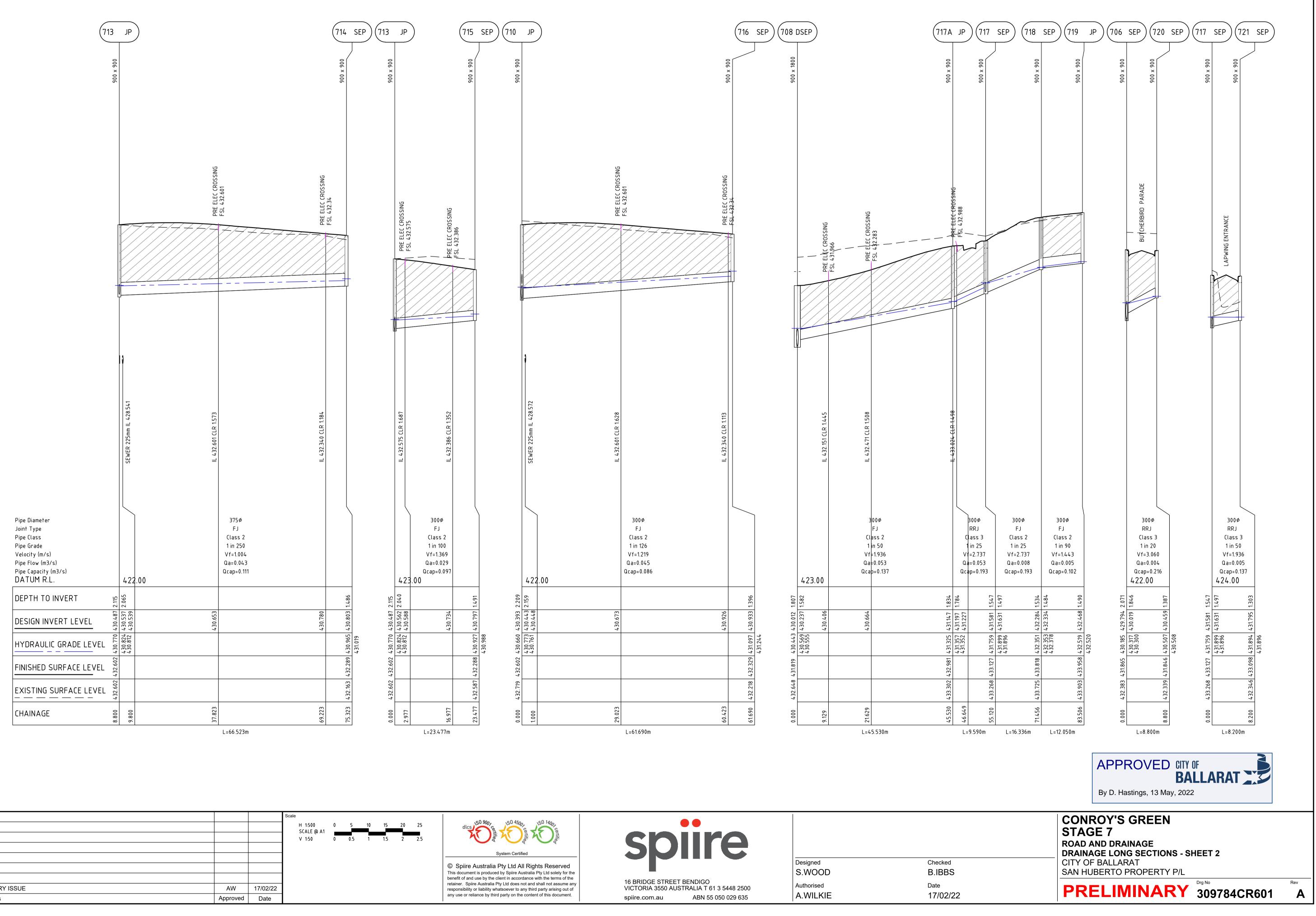




spiire.com.au ABN 55 050 029 635

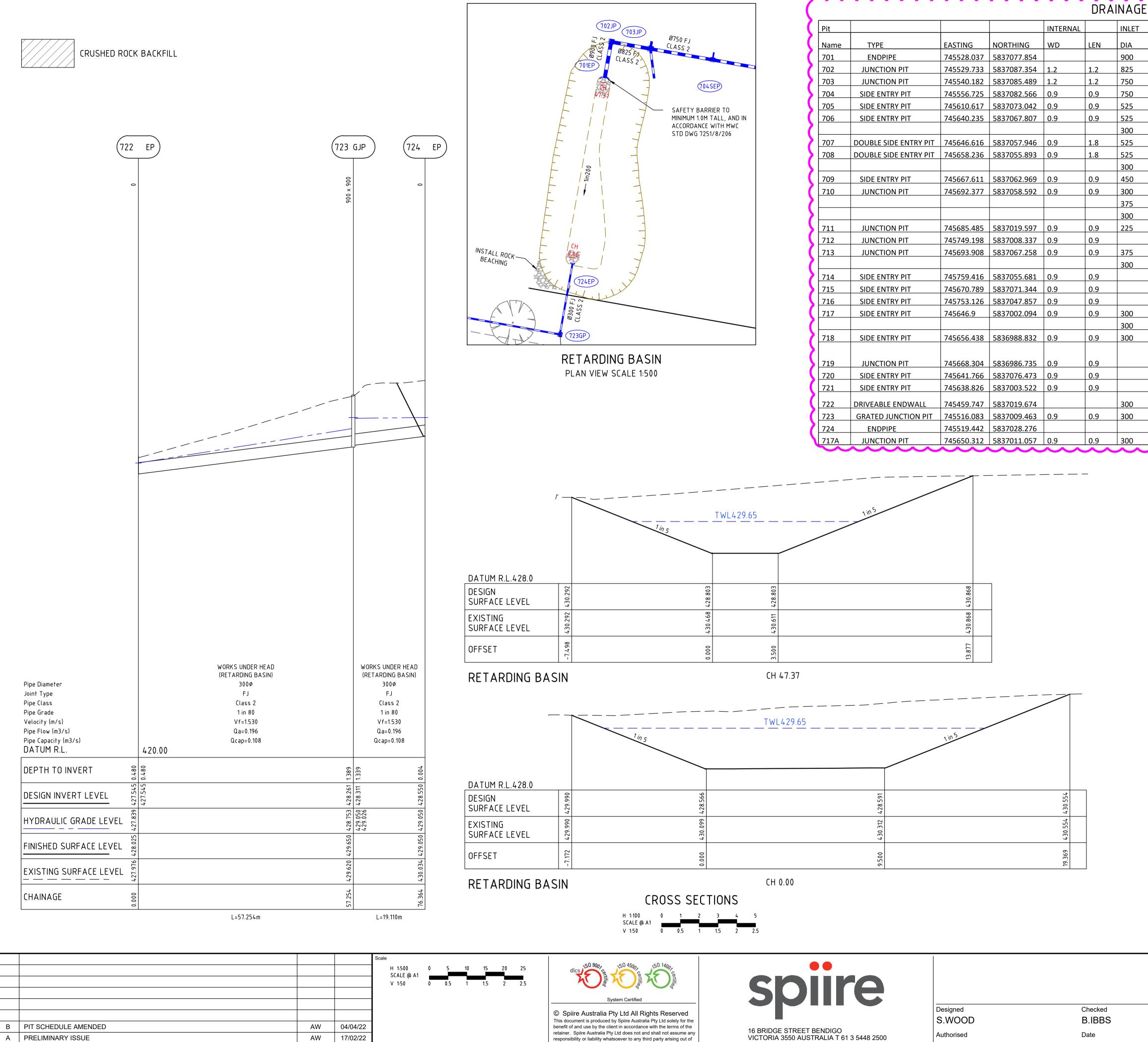
	By D. Hastings, 13 May, 2022
d	Checked
OD	B.IBBS
^{ed} KIF	Date 17/02/22
KIE	17/02/22

2												
				Scale								
					1 1:500	0	5	10	15	20	25	
					SCALE @ A1 / 1:50	0	0.5	1	1.5	2	2.5	
				1								
				1								
;												©
												This
A	PRELIMINARY ISSUE	AW	17/02/22	1								reta resp
Rev	Amendments	Approved	Date									any









ted by A

Rev Amendments

Approved

Date

INLET LEN DIA 900 825 12 1.2 750 0.9 750 0.9 525 0.9 525 300 525 1.8 1.8 525 300 450 0.9 300 0.9 375 300 0.9 225 0.9 0.9 375 300 0.9 0.9 0.9 0.9 300 300 300 0.9 0.9 0.9 0.9 300 0.9 300 0.9 300

 \frown

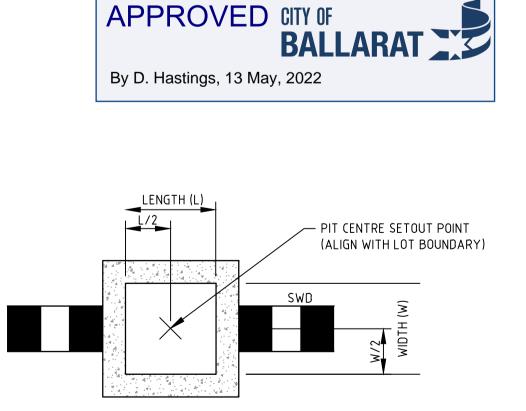
spiire.com.au

ABN 55 050 029 635

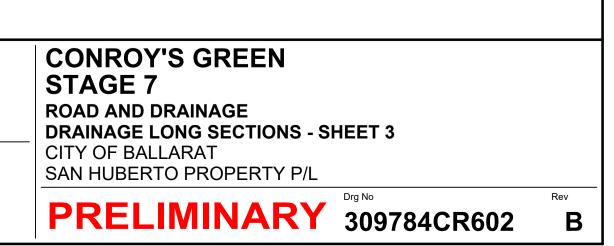
responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Checked **B.IBBS** Date A.WILKIE 17/02/22

\sim	\sim	\sim			
PIT SCI	HEDULE				
	OUTLET		PIT		
INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
428.831			429.85	1.019	CONCRETE ENDWALL
428.976	900	428.863	430.643	1.779	REFER TO COB SD-P10-2
429.068	825	429.018	430.913	1.895	REFER TO COB SD-P10-2
429.185	750	429.135	430.908	1.773	REFER TO COB SD-P1-2
429.418	750	429.368	431.414	2.046	REFER TO COB SD-P1-2
429.844	525	429.794	431.865	2.071	REFER TO COB SD-P1-2
430.019					
429.953	525	429.903	431.819	1.916	REFER TO COB SD-P2-2
430.062	525	430.012	431.819	1.807	REFER TO COB SD-P2-2
430.237					
430.184	525	430.109	432.263	2.154	REFER TO COB SD-P1-2
430.862	450	430.393	432.602	2.209	REFER TO COB SD-P10-2
430.443					
430.443					
431.157	300	431.082	432.96	1.877	REFER TO COB SD-P10-2
	225	431.697	432.91	1.214	REFER TO COB SD-P10-2
430.537	375	430.487	432.602	2.115	REFER TO COB SD-P10-2
430.562					
1001002	375	430.803	432.289	1.486	REFER TO COB SD-P1-2
	300	430.797	432.288	1.491	REFER TO COB SD-P1-2
	300	430.933	432.329	1.396	REFER TO COB SD-P1-2
431.631	300	431.581	433.127	1.547	REFER TO COB SD-P1-2
431.631					
432.334	300	432.284	433.818	1.534	REFER TO COB SD-P1-2
					REFER TO COB SD-P10-2, ADD SIDE
	300	432.468	433.958	1.49	INLET FACING SWALE DRAIN REFER TO
	300	430.459	431.846	1.387	REFER TO COB SD-P1-2
	300	431.795	433.098	1.303	REFER TO COB SD-P1-2
	500				VICROADS ENWALL IN ACCORDANCE
427.545			428.025	0.48	WITH SD 1991
428.311	300	428.261	429.65	1.389	REFER TO COB SD-P10-2
	300	428.55	428.55	0	CONCRETE HEADWALL
431.197	300	431.147	432.981	1.834	REFER TO COB SD-P10-2
\sim	\sim	\sim	\sim	\sim	



TYPICAL DRAINAGE PIT SETOUT POINT 'C' JUNCTION PIT/ EASEMENT PIT NOT TO SCALE



DESIGN PAVEMENT PROFILE

		DEPTH (mm)	DEPTH (mm)	DEPTH (mm)
PAVEMENT LAYER	DESCRIPTION	TYPE A [×] (ACCESS STREET 1)	TYPE B [×] (ACCESS STREET 2)	GRAVEL SHOULDER
ASPHALT WEARING COURSE (mm)	SIZE 10mm TYPE N ASPHALT CLASS 320 BITUMEN	40	40 (TYPE H)	
SAMI LAYER		YES	YES	
PRIMER COURSE	PRIME OR 7mm PRIMERSEAL	YES	YES	
BASE COURSE (mm)	CLASS 1 or 2 20mm FCR. COMPACTED TO 98% (MMDD)	150	150	150
SUBBASE COURSE (mm)	CLASS 3 20mm or 40mm FCR. COMPACTED TO 97% (MMDD)	220	180	
LOWER SUBBASE (mm)	CLASS 4 FCR WITH A MINIMUM CBR OF 15 AND COMPACTED TO A MINIMUM DENSITY RATIO OF 95% MODIFIED.	-	130	
CAPPING LAYER (mm)	IMPORTED PRODUCT WITH A MINIMUM CBR OF 10, SWELL NO GREATER THAN 1.5%, PERMEABILITY NO GREATER THAN 5X10-9M/S AND BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% STANDARD.	150	200	
	TOTAL PAVEMENT DEPTH	560	680	150

ROAD NAME	TYPE
BOWERBIRD GRANGE	А
STORK STREET	А
CORMORANT	A
GOLDFINCH ROAD	A

200mm WIDE x 300mm DEEP CONCRETE EDGE STRIP

PAVEMENT DESIGN AS SPECIFIED

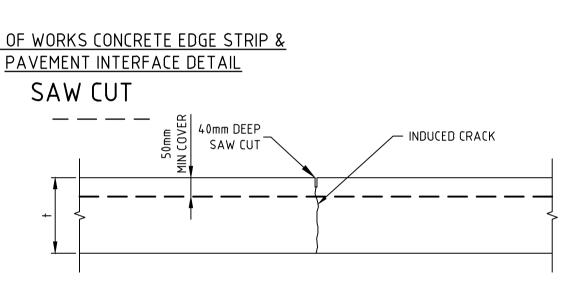
REFER TO COUNCIL STD DETAIL

REFER TO COUNCIL STD DETAIL FOR AG DRAIN BEDDING MATERIAL

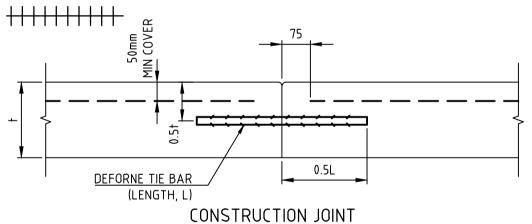
FOR AG DRAIN TRENCH MATERIAL

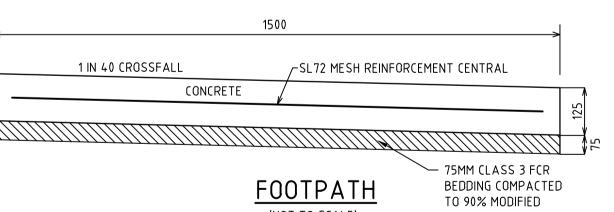
GENERAL NOTES:

- 1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- 2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT LIMIT OF WORKS CONCRETE EDGE STRIP & AND IN CORNERS OF FORMS.
- PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP 4. TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- 5. CURING OF CONCRETE IS ESSENTIAL IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
- 6. SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
- 7. ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA- "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
- 8. ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.



CONSTRUCTION JOINT





(NOT TO SCALE) GENERALLY AS PER COB SD-K3-2 FOOTPATH TO BE 25MPa FOR RESIDENTIAL

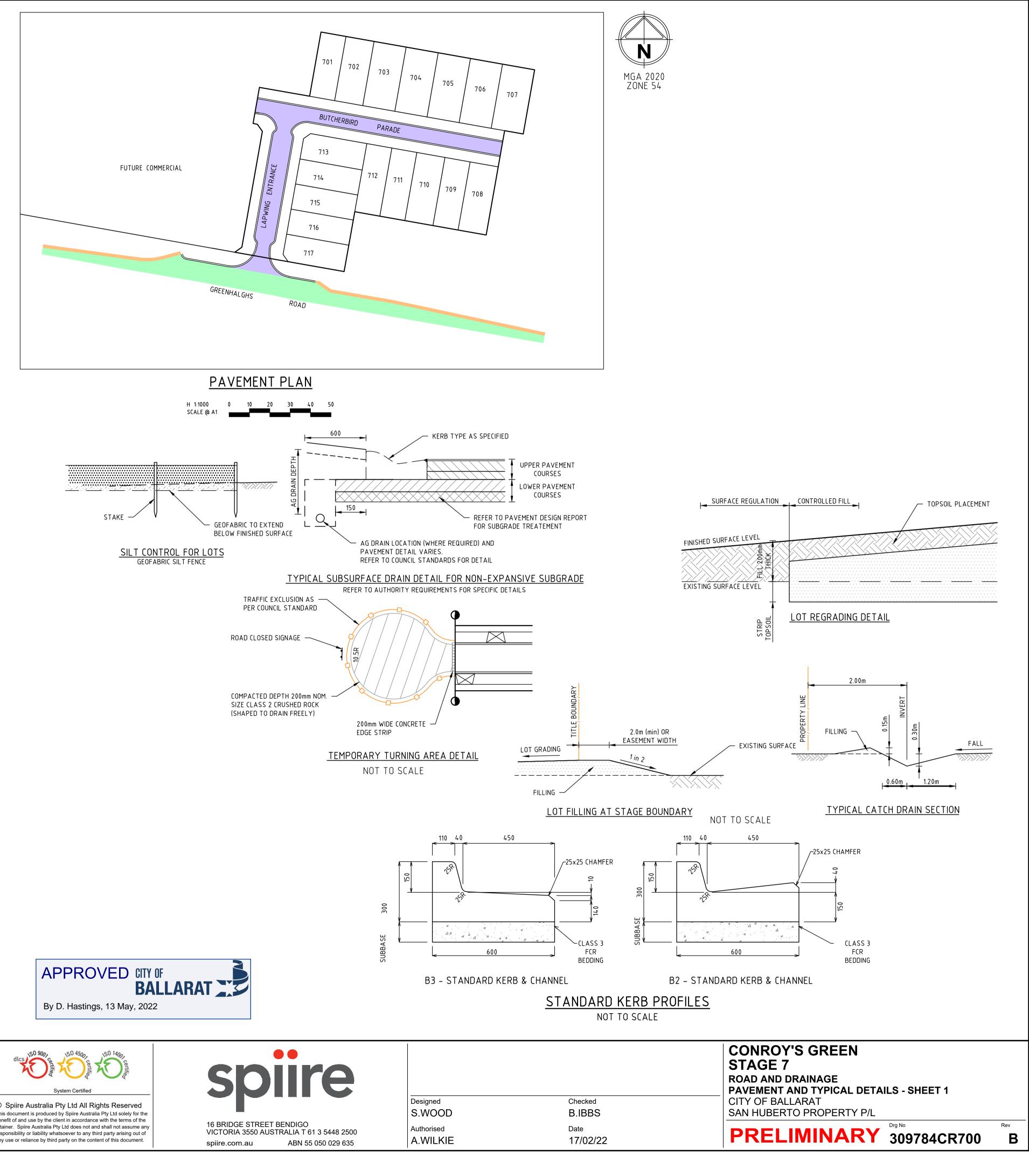
PAVEMENT DETAILS

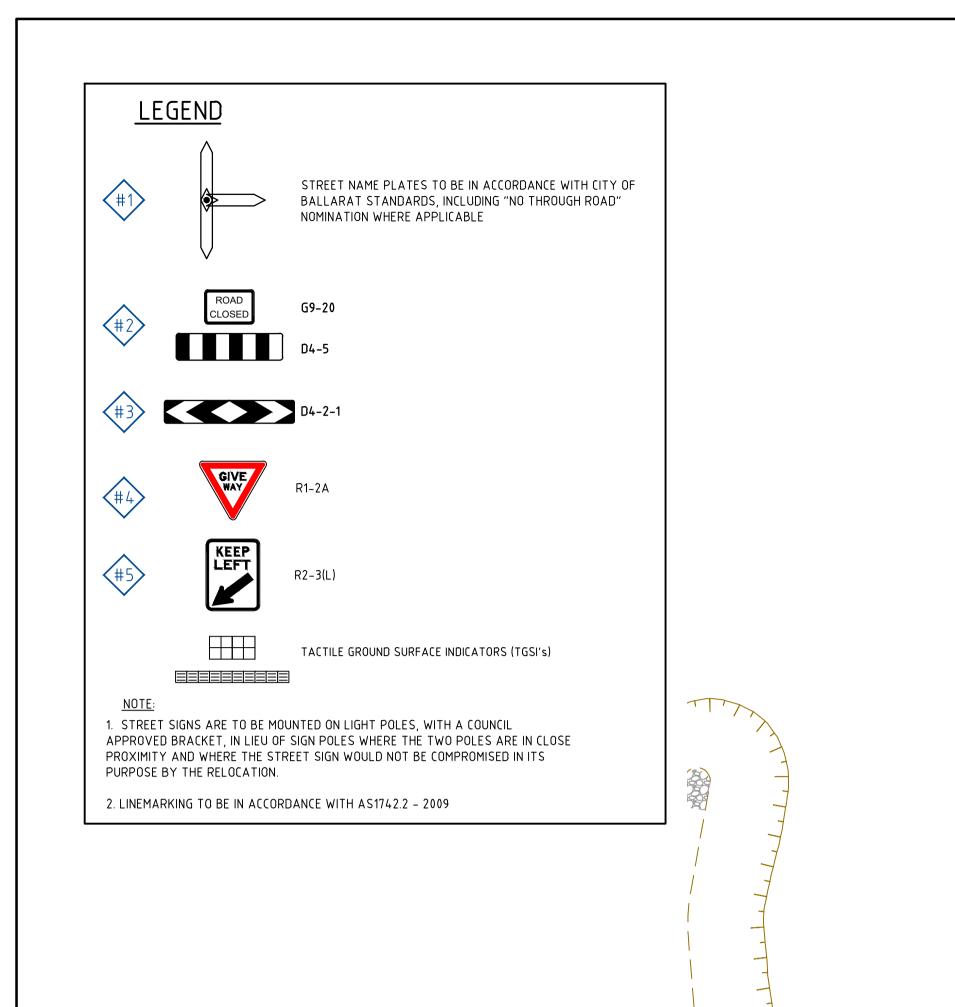
THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY GTS WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF GTS .

THE DESIGN HAS BEEN EXTRACTED FROM THE GTS REPORT ON "520 GREENHALGHS ROAD, WINTER VALLEY" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED. A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

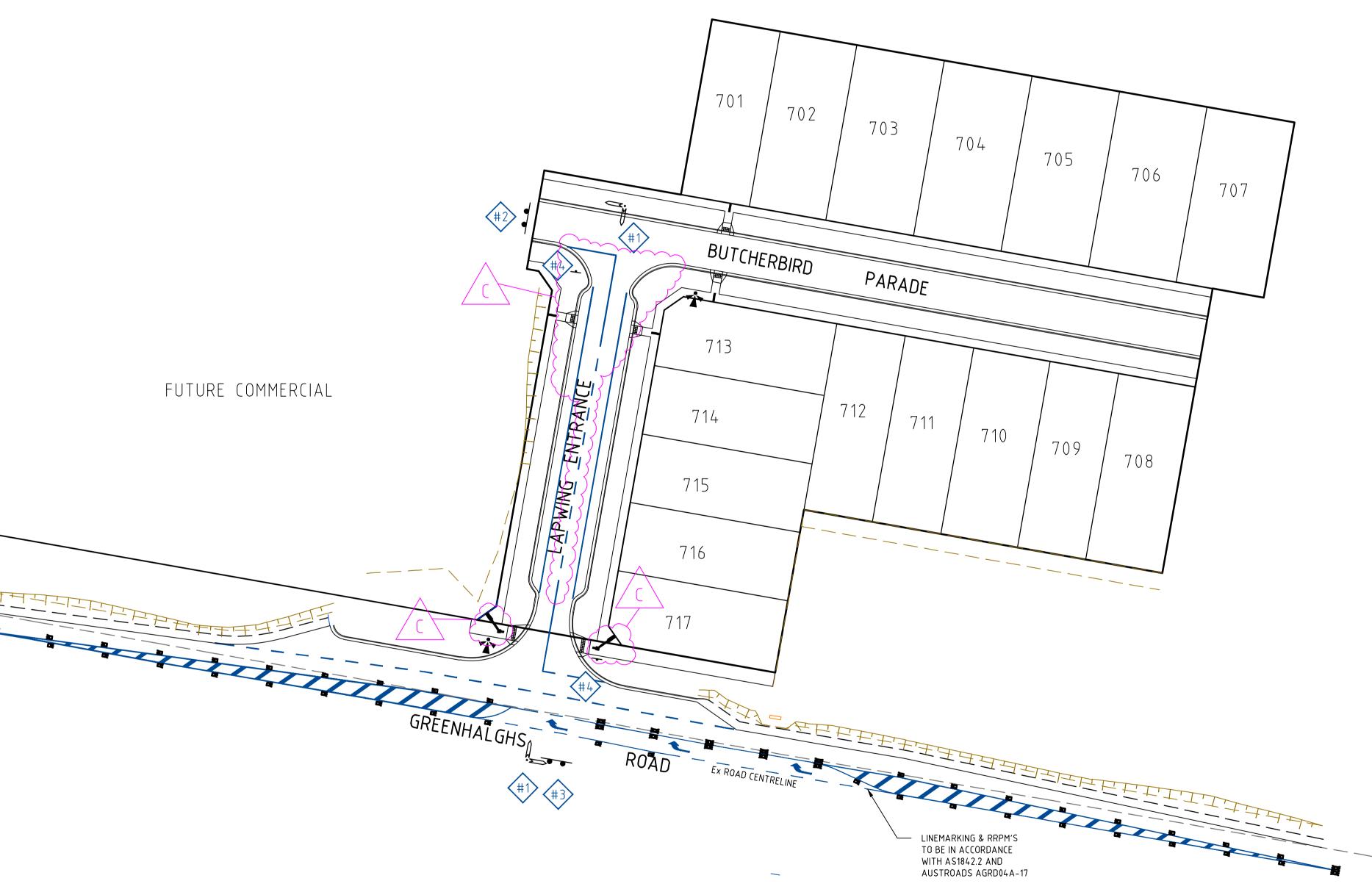
SPIIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS. ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO GTS AND SENT TO SPIIRE.

ACA					Scale	
lwg layout 34\Civil\AC						
700.0						
name 309784CR700.dwg location G:\30\309784\						
						C This
	В	PAVEMENT DETAILS AND TYPICAL DETAILS AMENDED	AW	12/04/22		ben
	А	PRELIMINARY ISSUE	AW	17/02/22		resp
file file	Rev	Amendments	Approved	Date		any





				Scale								1
					H 1:500 SCALE @ A1	0	5	10	15	20	25	
С	ADDITION OF GIVE WAY SIGN ON LAPWING, LINEMARKING AND RRPM'S AMENDED	A.W	09/05/22									C S
В	ADD SIGNS #3, AMEND SIGN #4 POSITION	AW	04/04/22									bene
А	PRELIMINARY ISSUE	AW	17/02/22									retaii respo
Rev	Amendments	Approved	Date									any t





Spiire Australia Pty Ltd All Rights Reserved his document is produced by Spiire Australia Pty Ltd solely for the enefit of and use by the client in accordance with the terms of the etainer. Spiire Australia Pty Ltd does not and shall not assume any esponsibility or liability whatsoever to any third party arising out of ny use or reliance by third party on the content of this document.



16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

Designed S.WOOD Authorised A.WILKIE

Checked **B.IBBS** Date 17/02/22





