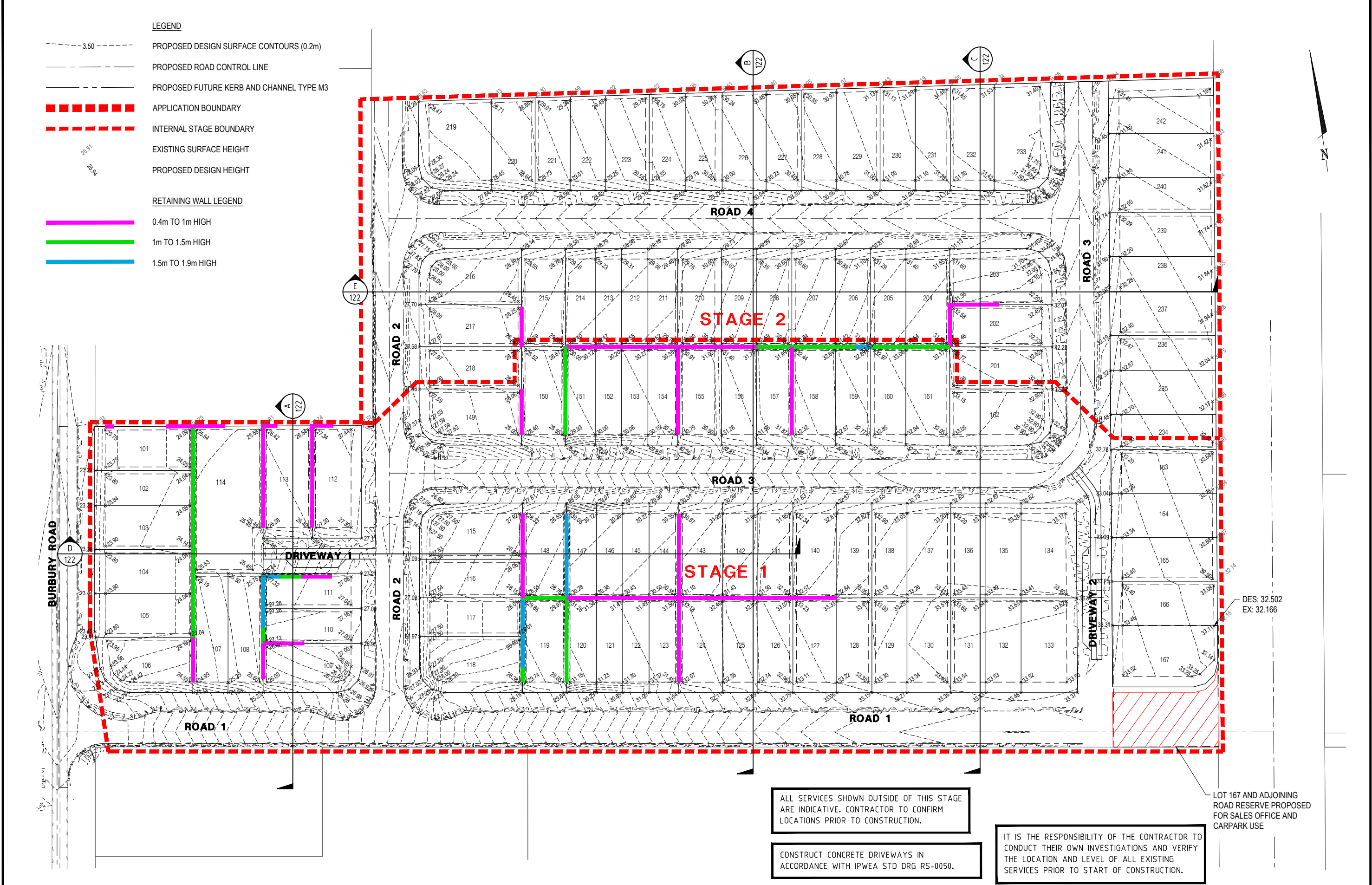




ALL SERVICES SHOWN OUTSIDE OF THIS STAGE ARE INDICATIVE. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION.

CONSTRUCT CONCRETE DRIVEWAYS IN ACCORDANCE WITH IPWEA STD DRG RS-0050.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT THEIR OWN INVESTIGATIONS AND VERIFY THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO START OF CONSTRUCTION.

LOT 167 AND ADJOINING ROAD RESERVE PROPOSED FOR SALES OFFICE AND CARPARK USE

FILE: 1001-120.dwg DATE: 12-11-2020 USER: CHRIS GIDDINGS
XREFS: X-20-000619.003-Stage Plan, X-20-000619.1001-BASE, X-20-00619.004-LOTS, X-20-000619.1001-CONTOURS, 1.500, X-20-000619.1001-ROAD, CHG, contours

FIRST ISSUE	DESIGN				DATE	STATUS
	DESIGN	DRAWN	CHECK	APPROVED		
A	CG	CG	AW	AW	02.03.21	ISSUED FOR APPROVAL
B	CG	AF	BK	AW	09.04.21	
C	CG	AF	BK	AW	21.05.21	
AMENDMENTS	C	CG	AF	BK	AW	12.11.21
	AMENDMENTS TO PAD LEVELS					

STATUS	
ISSUED FOR CONSTRUCTION	
APPROVED	
BY: ANTHONY WRIGHT	22962
SIGN:	DATE: 12.11.21

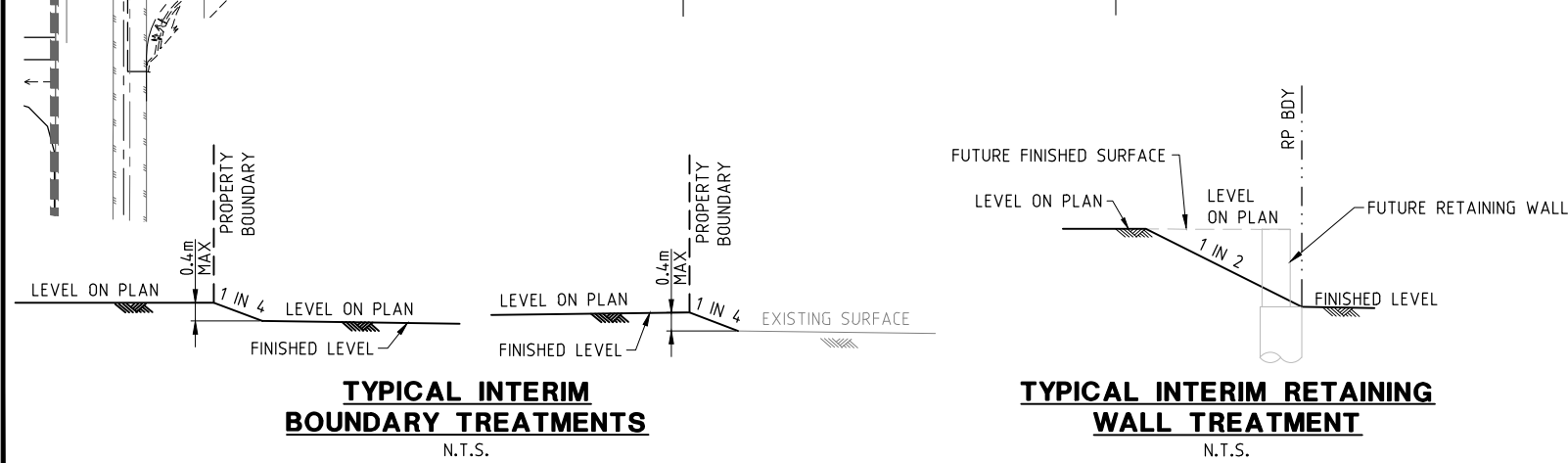
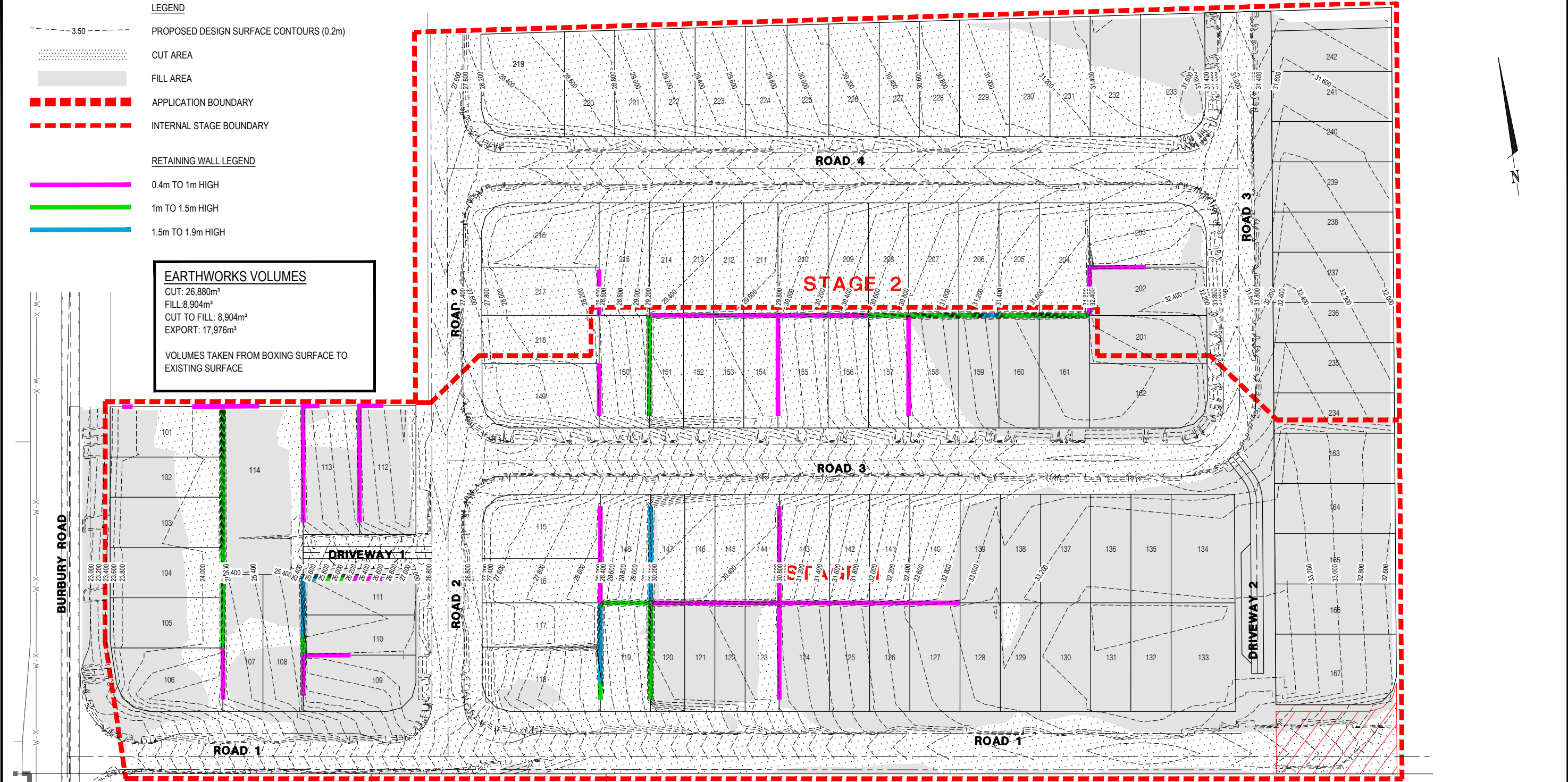
SCALE	
1:500	10 5 0 10 20 A1
1:1000	10 5 0 10 20 A3

CLIENT	
FARRY CIVIL Pty Ltd	

	
Calibre Professional Services Pty Ltd Level 4, Unit 402, 8 Market Lane, Maroochydore, QLD 4558 Telephone 07 5314 2520 Facsimile 07 5314 2522	
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PROJECT	
AFFINITY (MORAYFIELD SOUTH) PHASE 1 - STAGES 1 & 2 BULK EARTHWORKS	
DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.	

DRAWING TITLE	
BULK EARTHWORKS DETAIL PLAN SHEET 1 OF 1	
PROJECT No. 20-000619	DRAWING No. 1001-120
REVISION C	



EARTHWORKS NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SERVICES WITH THE RELEVANT AUTHORITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL REMOVE ALL STRUCTURES, DEBRIS AND FENCES FROM THE SITE TO THE SATISFACTION OF THE SUPERINTENDENT.
3. EXISTING SURFACE IS TO BE CLEAR OF VEGETATION MATTER PRIOR TO THE START OF FILLING.
4. FILL IS TO BE OF GOOD QUALITY AND FREE OF UNSUITABLE MATERIAL.
5. NOTWITHSTANDING THE LIMITS OF CUTTING AND FILLING SHOWN ON THE DRAWINGS, THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE SUPERINTENDENT DURING CONSTRUCTION. SIMILARLY, THE FINISHED SURFACE LEVELS MAY BE ADJUSTED BY THE WRITTEN DIRECTION OF THE SUPERINTENDENT DURING CONSTRUCTION AFTER AMENDED DRAWINGS HAVE BEEN APPROVED BY COUNCIL.
6. ALL EXCAVATION AND FILLING SHALL BE CONSTRUCTED TO THE REQUIREMENTS OF AS3798-2007 AND IN ACCORDANCE WITH THE CURRENT COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS.
7. LEVEL 1 CERTIFICATION IS REQUIRED ON ALL LOTS IN ACCORDANCE WITH AS3798-2007.
8. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

FILE: 1001-121.dwg DATE: 12-11-2020 USER: CHRIS GIDDINGS
XREFS: X-20-000619.003-Stage Plan, X-20-000619.1001-BASE, X-20-000619.1001-CONTOURS, 1_500, X-20-000619.1001-CUT, FILL, contours

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROVED	DATE	STATUS
	CG	CG	AW	AW	02.03.21	
A	CG	AF	BK	AW	09.04.21	ISSUED FOR APPROVAL
B	CG	AF	BK	AW	21.05.21	ISSUED FOR CONSTRUCTION
C	CG	AF	BK	AW	12.11.21	AMENDMENTS TO PAD LEVELS

AMENDMENT DETAILS	
ISSUED FOR APPROVAL	09.04.21
ISSUED FOR CONSTRUCTION	21.05.21
AMENDMENTS TO PAD LEVELS	12.11.21

APPROVED	BY: ANTHONY WRIGHT	22962
SIGN:	DATE:	12.11.21

SCALE
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1:1000

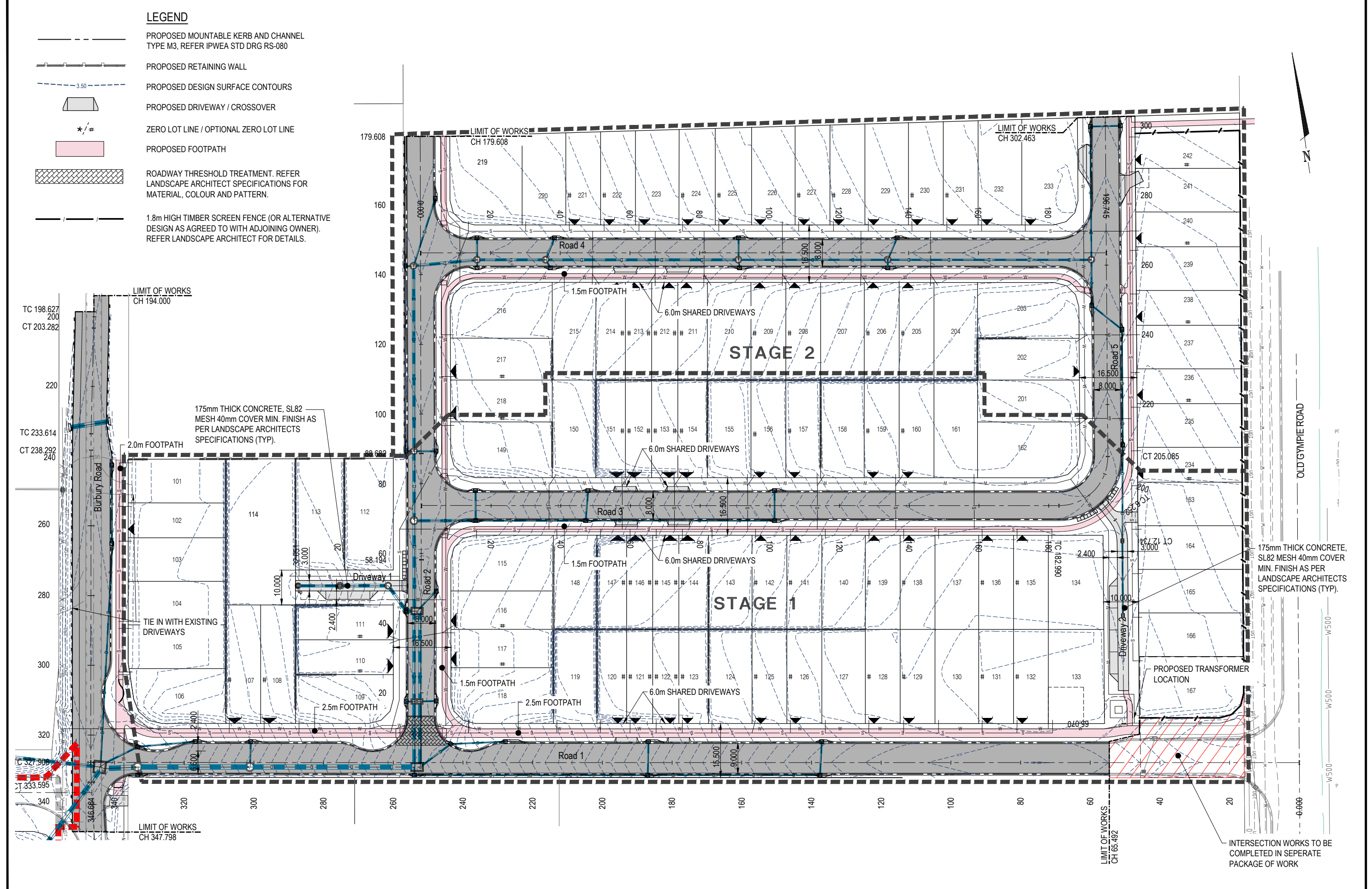
CLIENT
FARRY CIVIL Pty Ltd

 Calibre Professional Services Pty Ltd Level 4, Unit 402, 8 Market Lane, Maroochydore, QLD 4558 Telephone 07 5314 2520 Facsimile 07 5314 2522

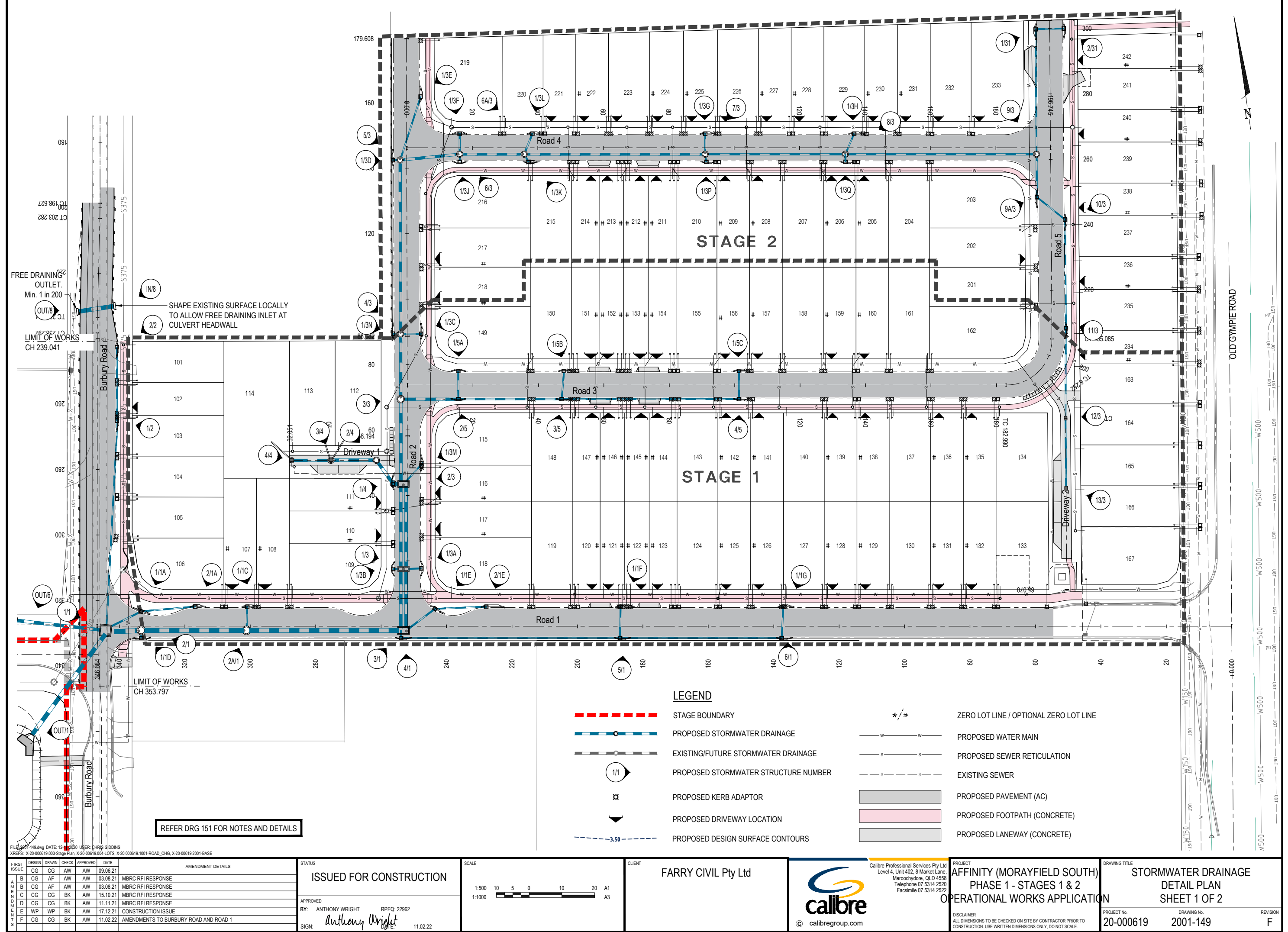
PROJECT
AFFINITY (MORAYFIELD SOUTH) PHASE 1 - STAGES 1 & 2 BULK EARTHWORKS

DRAWING TITLE	
BULK EARTHWORKS CUT FILL DETAIL PLAN	

PROJECT No.	DRAWING No.	REVISION
20-000619	1001-121	C

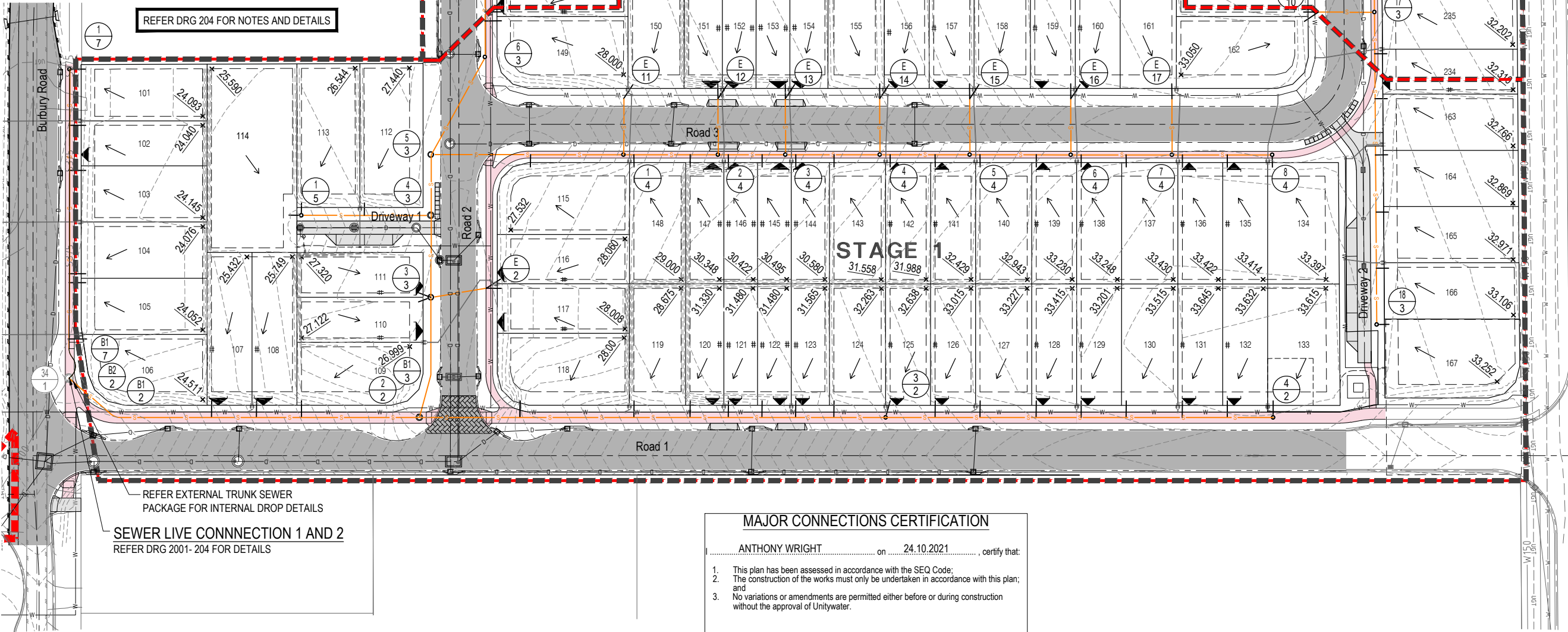


FILE: 2001-130.dwg DATE: 12-11-2020 USER: CHRIS GIDDINS XREFS: X-20-000619-003-Stage Plan, X-20-00619-004-LOTS, X-20-00619-2001-BASE, X-20-000619-2001-RD CH, X-20-000619-2001-CONTS																																																																																																																			
<table><tr><th>FIRST ISSUE</th><th>DESIGN</th><th>DRAWN</th><th>CHECK</th><th>APPROVED</th><th>DATE</th><th rowspan="7">AMENDMENT DETAILS</th></tr><tr><td>B</td><td>CG</td><td>CG</td><td>AF</td><td>AW</td><td>AW</td><td>09.06.21</td></tr><tr><td>B</td><td>CG</td><td>CG</td><td>AF</td><td>AW</td><td>AW</td><td>03.08.21</td></tr><tr><td>B</td><td>CG</td><td>CG</td><td>AF</td><td>AW</td><td>AW</td><td>03.08.21</td></tr><tr><td>C</td><td>CG</td><td>CG</td><td>CG</td><td>BK</td><td>AW</td><td>15.10.21</td></tr><tr><td>D</td><td>CG</td><td>CG</td><td>CG</td><td>BK</td><td>AW</td><td>11.11.21</td></tr><tr><td>E</td><td>WP</td><td>WP</td><td>WP</td><td>BK</td><td>AW</td><td>17.12.21</td></tr><tr><td>F</td><td>CG</td><td>CG</td><td>CG</td><td>BK</td><td>AW</td><td>11.02.22</td></tr></table>						FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROVED	DATE	AMENDMENT DETAILS	B	CG	CG	AF	AW	AW	09.06.21	B	CG	CG	AF	AW	AW	03.08.21	B	CG	CG	AF	AW	AW	03.08.21	C	CG	CG	CG	BK	AW	15.10.21	D	CG	CG	CG	BK	AW	11.11.21	E	WP	WP	WP	BK	AW	17.12.21	F	CG	CG	CG	BK	AW	11.02.22	<table><tr><td colspan="2">STATUS</td></tr><tr><td colspan="2">ISSUED FOR CONSTRUCTION</td></tr><tr><td colspan="2">APPROVED</td></tr><tr><td>BY: ANTHONY WRIGHT</td><td>RPEC: 22962</td></tr><tr><td colspan="2">SIGN: <i>Anthony Wright</i></td></tr><tr><td>DATE: 11.02.22</td><td></td></tr></table>		STATUS		ISSUED FOR CONSTRUCTION		APPROVED		BY: ANTHONY WRIGHT	RPEC: 22962	SIGN: <i>Anthony Wright</i>		DATE: 11.02.22		<table><tr><td colspan="2">SCALE</td></tr><tr><td>1:500</td><td>10 5 0 10 20 A1</td></tr><tr><td>1:1000</td><td>A3</td></tr></table>		SCALE		1:500	10 5 0 10 20 A1	1:1000	A3	<table><tr><td colspan="2">CLIENT</td></tr><tr><td colspan="2">FARRY CIVIL Pty Ltd</td></tr></table>		CLIENT		FARRY CIVIL Pty Ltd		<table><tr><td colspan="2"></td></tr><tr><td colspan="2">Calibre Professional Services Pty Ltd Level 4, Unit 402, 8 Market Lane, Maroochydore, QLD 4558 Telephone 07 5314 2520 Facsimile 07 5314 2522</td></tr><tr><td colspan="2">© calibregroup.com</td></tr></table>				Calibre Professional Services Pty Ltd Level 4, Unit 402, 8 Market Lane, Maroochydore, QLD 4558 Telephone 07 5314 2520 Facsimile 07 5314 2522		© calibregroup.com		<table><tr><td colspan="2">PROJECT</td></tr><tr><td colspan="2">AFFINITY (MORAYFIELD SOUTH) PHASE 1 - STAGES 1 & 2 OPERATIONAL WORKS APPLICATION</td></tr><tr><td colspan="2">DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.</td></tr></table>		PROJECT		AFFINITY (MORAYFIELD SOUTH) PHASE 1 - STAGES 1 & 2 OPERATIONAL WORKS APPLICATION		DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.		<table><tr><td colspan="2">DRAWING TITLE</td></tr><tr><td colspan="2">ROADWORKS DETAIL PLAN</td></tr><tr><td>PROJECT No. 20-000619</td><td>DRAWING No. 2001-130</td></tr><tr><td colspan="2">REVISION F</td></tr></table>		DRAWING TITLE		ROADWORKS DETAIL PLAN		PROJECT No. 20-000619	DRAWING No. 2001-130	REVISION F	
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REVISION F																																																																																																																			



LEGEND

- STAGE BOUNDARY
- S300 Ø300 TRUNK SEWER
- S375 Ø375 TRUNK SEWER
- PROPOSED Ø150 SEWER MAIN
- PROPOSED SEWER MAINTENANCE SHAFT
- PROPOSED SEWER MAINTENANCE HOLE
- PROPOSED SEWER HOUSE CONNECTION
- SEWER LOT CONTROL LEVEL
- INDICATIVE DRIVEWAY LOCATION
- PROPOSED DESIGN SURFACE CONTOURS
- PROPOSED WATER MAIN
- PROPOSED STORMWATER DRAINAGE
- PROPOSED SEWER STRUCTURE NUMBER
- ZERO LOT LINE / OPTIONAL ZERO LOT LINE
- PROPOSED PAVEMENT (AC)
- PROPOSED FOOTPATH (CONCRETE)
- PROPOSED DRIVEWAY (CONCRETE)



REFER DRG 204 FOR NOTES AND DETAILS

REFER EXTERNAL TRUNK SEWER PACKAGE FOR INTERNAL DROP DETAILS
SEWER LIVE CONNNECTION 1 AND 2
REFER DRG 2001- 204 FOR DETAILS

MAJOR CONNECTIONS CERTIFICATION

ANTHONY WRIGHT on 24.10.2021, certify that:

- This plan has been assessed in accordance with the SEQ Code;
- The construction of the works must only be undertaken in accordance with this plan; and
- No variations or amendments are permitted either before or during construction without the approval of Unitywater.

Major connections certifier
For and on behalf of CALIBRE PROFESSIONAL SERVICES PTY LTD: ACR/AE2018-039

FILE: 2001-200.dwg DATE: 12-11-2020 USER: CHRIS GIDDOES
XREFS: X-20-000619-003-Stage Plan, X-20-00619-004-LOTS, X-20-000619-1001-ROAD, CHG, X-20-00619-2001-BASE

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROVED	DATE	AMENDMENT DETAILS
B	CG	AF	AW	AW	09.06.21	
B	CG	AF	AW	AW	03.08.21	MBRC RFI RESPONSE
B	CG	AF	AW	AW	03.08.21	MBRC RFI RESPONSE
C	CG	CG	BK	AW	14.10.21	FOR APPROVAL
D	WP	WP	BK	AW	18.11.21	UNITYWATER RFI
E	WP	WP	BK	AW	17.12.21	CONSTRUCTION ISSUE
F	CG	CG	BK	AW	11.02.22	AMENDMENTS TO BURBURY ROAD AND ROAD 1

STATUS	ISSUED FOR CONSTRUCTION
APPROVED	BY: ANTHONY WRIGHT RPEQ: 22962
SIGN:	Anthony Wright 11.02.22

SCALE	1:500 10 5 0 10 20 A1 1:1000
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CLIENT	FARRY CIVIL Pty Ltd
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PROJECT	Calibre Professional Services Pty Ltd Level 4, Unit 402, 8 Market Lane, Maroochydore, QLD 4558 Telephone 07 5314 2520 Facsimile 07 5314 2522
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DRAWING TITLE	AFFINITY (MORAYFIELD SOUTH) PHASE 1 - STAGES 1 & 2 OPERATIONAL WORKS APPLICATION
DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.	

PROJECT No.	20-000619
DRAWING No.	2001-200
REVISION	F

MANHOLE/END NAME	34/1	B1/2	2/2	3/2	4/2
MANHOLE TYPE	MH 1500mm DIA Y	LRB	MH 1050mm DIA Y	MS600	MS600
LID TYPE			D	D	D
JUNCTION LINE	1		3		
DROP TYPE	X		X		
DEPTH TO HC		0.770		0.770	1.219
HOUSE CONNECTION INVERT LEVEL		23.346	23.896	24.444	
HC TYPE		B	B	B	A
HC LOT No		107	108	109	
CH. FROM D/S MH		21.580	31.582	41.570	
NOTES:	1. CONCRETE BRIDGING SLAB TO BE CONSTRUCTED OVER ALL SEWERS WHERE PASSING UNDER STORMWATER PIPES Ø600 AND GREATER. 2. ALL MAINTENANCE HOLES TO BE "CAST IN-SITU" TYPE. 3. REFER 20-000619-2001-204 FOR NOTES AND DETAILS				
DATUM R.L. STREET ETC.	17.0				
DIAMETER			150Ø PVC CLASS 12	150Ø PVC SN8	
EMBEDMENT TYPE			TYPE 3 BEDDING		
GRADE	1:50	1:50	1:21	1:44	
JUNCTION INVERT LEVEL					
DEPTH TO INVERT	5.862	2.355	4.101	2.126	1.499
INVERT LEVEL OF SEWER	17.556	21.063	21.330	21.330	
DESIGN SURFACE LEVEL	23.418	23.172	26.788	32.047	33.387
SETOUT COORDINATES	E.3612.050 N.9057.953	E.3620.704 N.9047.782	E.3687.736 N.9037.263	E.3790.186 N.9021.186	E.3875.345 N.9007.823
RUNNING CHAINAGE	0.000	3.355	67.852	103.703	86.202

LINE NUMBER 2

FILE: 2001-201.dwg DATE: 12-11-2020 USER: CHRIS GIDDINS
XREFS: X-20-00619-2001-SEWER

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROVED	DATE
C	CG	CG	AW	AW	09.06.21
B	CG	AF	AW	AW	14.10.21
C	CG	CG	BK	AW	03.08.21
D	CG	CG	BK	AW	14.10.21
E	WP	WP	BK	AW	15.10.21
F	WP	WP	BK	AW	18.11.21
G	CG	CG	BK	AW	17.12.21
					CONSTRUCTION ISSUE
					SEWER INVERTS AMENDED

STATUS	ISSUED FOR CONSTRUCTION
APPROVED	BY: ANTHONY WRIGHT RPEQ 22962 SIGN: <i>Anthony Wright</i> DATE: 17.02.22

SCALE	1:1000 10 0 10 20 30 40 50 A1 1:2000 HORIZONTAL 1:100 2 1 0 2 4 A1 1:200 VERTICAL
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CLIENT FARRY CIVIL Pty Ltd



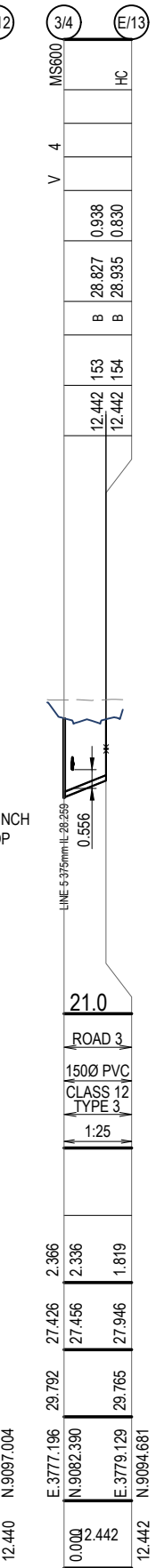
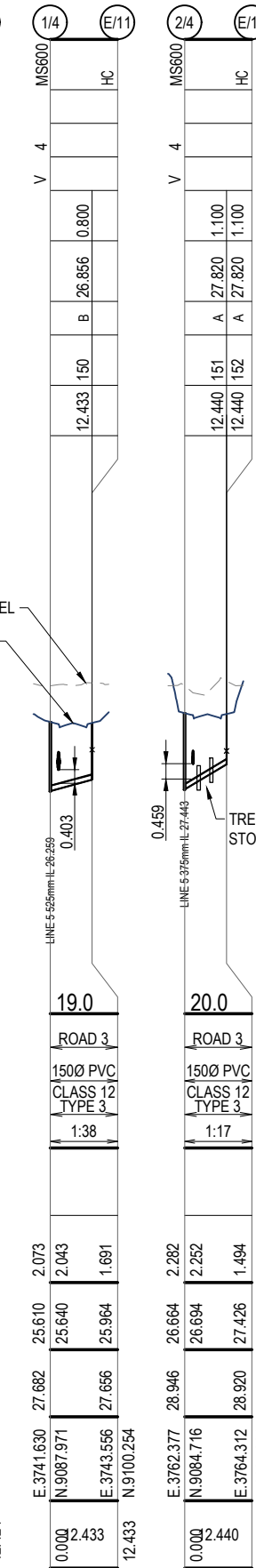
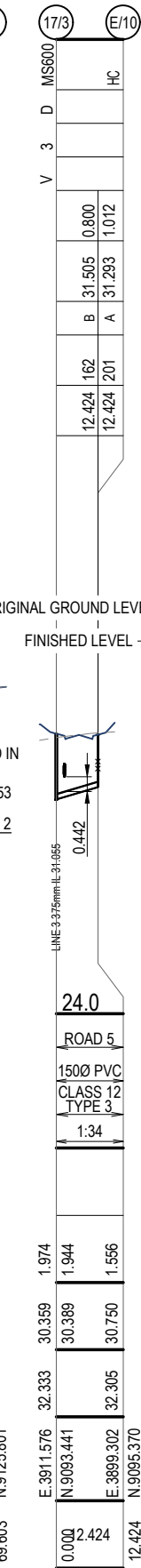
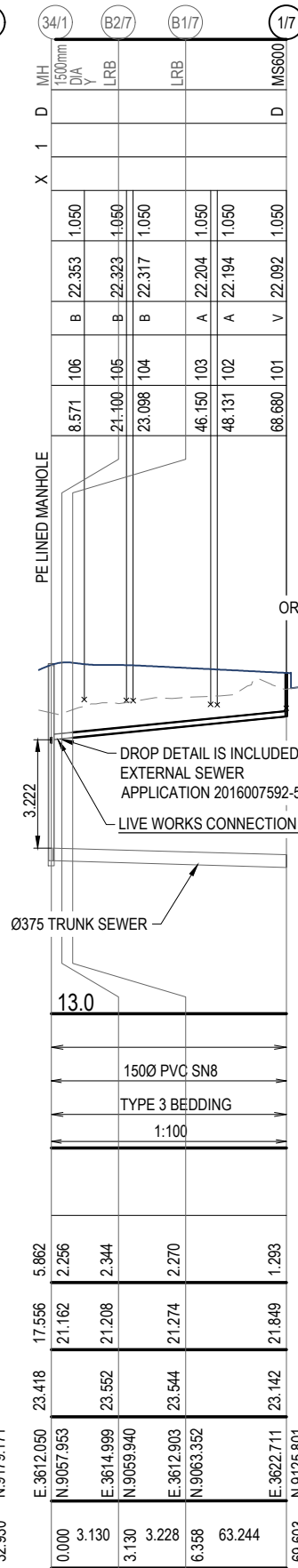
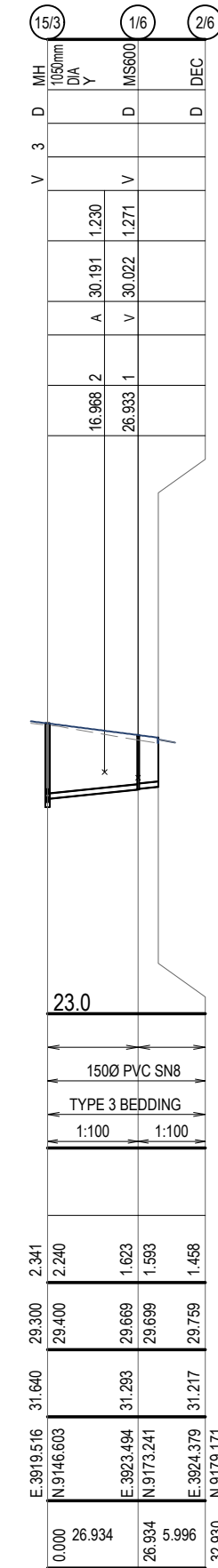
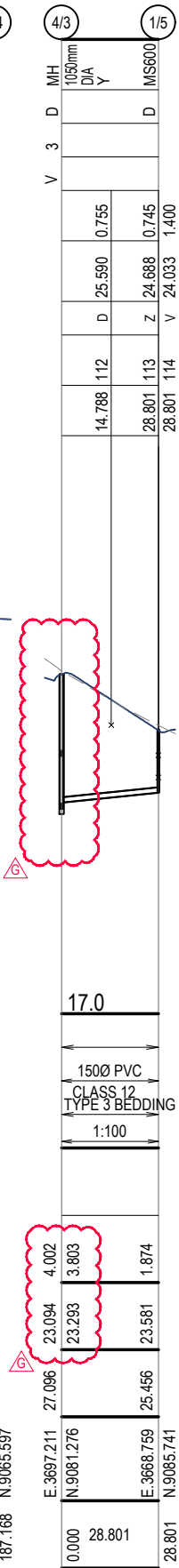
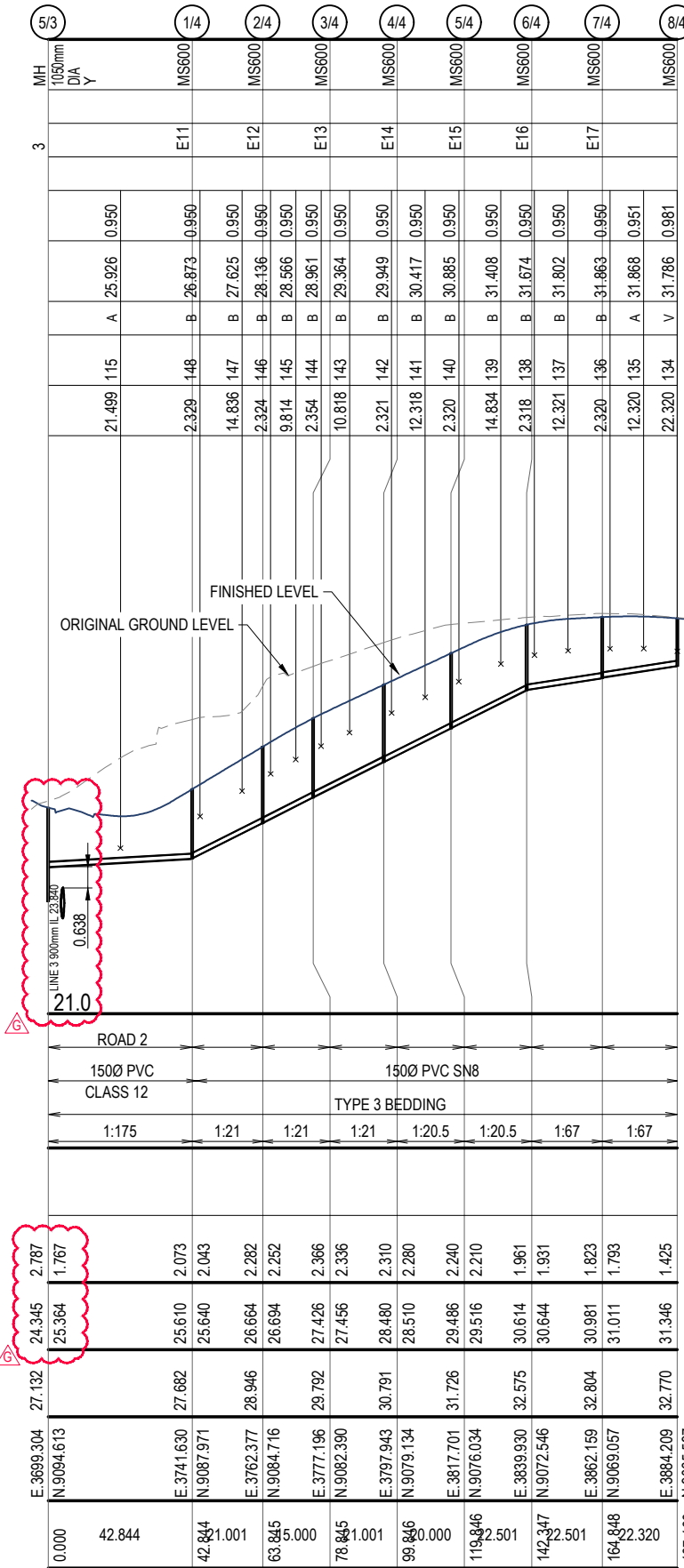
PROJECT	AFFINITY (MORAYFIELD SOUTH) PHASE 1 - STAGES 1 & 2 OPERATIONAL WORKS APPLICATION
DISCLAIMER	ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.

DRAWING TITLE	SEWER RETICULATION LONGITUDINAL SECTIONS SHEET 1 OF 3
PROJECT No.	20-000619
DRAWING No.	2001-201
REVISION	G

MANHOLE/END NAME	2/2	B1/3	3/3	4/3	5/3	6/3	7/3	8/3	9/3	10/3	11/3	12/3	13/3	14/3	15/3	16/3
MANHOLE TYPE	MH 1050mm DIA Y	LRB	MH 1200mm DIA Y	MH 1050mm DIA Y	MH 1050mm DIA Y	MS600	MS600	MH 1050mm DIA Y	MS600	MS600	MS600	MS600	MS600	MS600	MH 1050mm DIA Y	MS600
LID TYPE	D		D	D	D	D	D	D	D	D	D	D	D	D	D	D
JUNCTION LINE	2		E2	5	4				E3	E4	E5	E6	E7	E8	6	E9
DROP TYPE	X		V	V	X	V	V	Y	V	V	V	V	V	V	W	V
DEPTH TO HC		1.211	0.903		0.744	0.650	0.650	0.650	0.650	0.750	0.650	0.650	0.745	0.846	1.352	1.394
HOUSE CONNECTION INVERT LEVEL		25.745	26.054		26.635	26.749	26.870	26.989	26.966	27.168	27.601	27.912	28.082	28.508	30.288	30.630
HC TYPE		X	X		D	D	D	D	Z	B	B	B	D	D	X	V
HC LOT No		110	111		149	218	217	216	219	220	221	222	223	224	3	6
CH. FROM D/S MH		17.209	17.211		7.988	10.008	22.100	34.001	21.763	16.432	28.944	3.367	13.363	7.900	0.014	29.747
NOTES:	1. CONCRETE BRIDGING SLAB TO BE CONSTRUCTED OVER ALL SEWERS WHERE PASSING UNDER STORMWATER PIPES Ø600 AND GREATER. 2. ALL MAINTENANCE HOLES TO BE "CAST IN-SITU" TYPE. 3. REFER 20-000619-2001-204 FOR NOTES AND DETAILS															
DATUM R.L. STREET ETC.	20.0															
DIAMETER			150Ø PVC CLASS 12	150Ø PVC SN8	150Ø PVC CLASS 12	150Ø PVC SN8	150Ø PVC CLASS 12	150Ø PVC SN8	150Ø PVC CLASS 12	150Ø PVC SN8	150Ø PVC CLASS 12	150Ø PVC SN8	150Ø PVC CLASS 12	150Ø PVC SN8	150Ø PVC CLASS 12	150Ø PVC SN8
EMBEDMENT TYPE			TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING	TYPE 3 BEDDING
GRADE	1:180	1:180	1:133	1:180	1:180	1:180	1:135	1:46	1:51	1:52	1:42	1:61	1:61	1:53	1:60	
JUNCTION INVERT LEVEL																
DEPTH TO INVERT	22.687	4.101	22.767	22.767	4.020	25.696	24.233	2.826	2.787	2.757	2.785	2.755	2.948	2.918	2.680	1.816
INVERT LEVEL OF SEWER	22.687	22.822	22.822	22.917	22.957	23.094	24.270	24.345	24.375	24.513	24.543	24.785	24.815	24.842	24.936	25.800
DESIGN SURFACE LEVEL	26.788	26.669	26.958	26.958	27.096	27.132	27.299	27.373	27.616	28.473	26.142	26.172	26.532	26.562	26.842	26.872
SETOUT COORDINATES	E.3687.736 N.9037.263	E.3691.711 N.9046.225	E.3694.382 N.9063.247	E.3697.211 N.9081.276	E.3699.304 N.9094.613	E.3714.537 N.9114.231	E.3721.153 N.9157.209	E.3732.084 N.9176.015	E.3767.234 N.9170.500	E.3785.017 N.9167.709	E.3798.848 N.9165.539	E.3821.077 N.9162.050	E.3843.306 N.9158.562	E.3863.064 N.9155.462	E.3919.516 N.9146.603	E.3915.121 N.9117.478
RUNNING CHAINAGE	0.000	9.804	17.230	27.034	38.250	45.284	58.284	83.622	127.406	148.869	184.439	202.439	216.439	238.940	338.583	368.334

3

MANHOLE/END NAME	16/3	17/3	18/3
MANHOLE TYPE	MS600	MS600	MS600
LID TYPE	D	D	D
JUNCTION LINE	E9	E10	
DROP TYPE	V	V	V
DEPTH TO HC		1.392	1.455
HOUSE CONNECTION		30.772	30.837
INVERT LEVEL		31.023	31.302
HC TYPE	A	A	A
HC LOT No		164	165
CH. FROM D/S MH	10.817	20.786	57.003
MAJOR CONNECTIONS CERTIFICATION			
I, ANTHONY WRIGHT, on 24.10.2022, certify that:			
1. This plan has been assessed in accordance with the SEQ Code;			
2. The construction of the works must only be undertaken in accordance with this plan; and			
3. No variations or amendments are permitted either before or during construction without the approval of Unitywater.			
Major connections certifier: Anthony Wright			
For and on behalf of CALIBRE PROFESSIONAL SERVICES PTY LTD: ACR/IAE2018-039			
NOTES:			
1. CONCRETE BRIDGING SLAB TO BE CONSTRUCTED OVER ALL SEWERS WHERE PASSING UNDER STORMWATER PIPES Ø600 AND GREATER.			
2. ALL MAINTENANCE HOLES TO BE "CAST IN-SITU" TYPE.			
3. REFER 20-000619-2001-204 FOR NOTES AND DETAILS			
DATUM R.L.	24.0		
STREET ETC.			
DIAMETER	1500		
EMBEDMENT TYPE	PVC SN8		
GRADE	1:83	1:100	
JUNCTION INVERT LEVEL			
DEPTH TO INVERT	30.039	30.069	30.359
INVERT LEVEL OF SEWER	30.039	30.069	30.359
DESIGN SURFACE LEVEL	32.028	32.333	33.266
SETOUT COORDINATES	E.3915.121 N.9117.178	E.3911.576 N.9093.441	E.3901.308 N.9024.688
RUNNING CHAINAGE	368.334 24.001	362.335 69.515	461.850

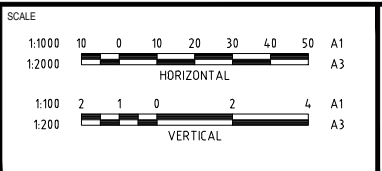


LINE NUMBER	3	4	5	6	7	E10	E11	E12	E13
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FILE: 2001-202.dwg DATE: 12-11-2020 USER: CHRIS GIDDINS
XREFS: X-20-00619-2001-SEWER

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROVED	DATE	AMENDMENT DETAILS
A	CG	CG	AW	AW	09.06.21	
B	CG	CG	BK	AW	14.10.21	FOR APPROVAL
C	CG	AF	AW	AW	03.08.21	MBRC RFI RESPONSE
D	CG	CG	BK	AW	14.10.21	FOR APPROVAL
E	CG	CG	BK	AW	15.10.21	MBRC RFI RESPONSE
F	WP	WP	BK	AW	18.11.21	UNITYWATER RFI
G	WP	WP	BK	AW	17.12.21	CONSTRUCTION ISSUE
H	CG	CG	BK	AW	17.02.22	SEWER INVERTS AMENDED

STATUS	ISSUED FOR CONSTRUCTION
APPROVED	BY: ANTHONY WRIGHT 20/10/2022
SIGN:	DATE: 17.02.22



CLIENT	FARRY CIVIL Pty Ltd
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PROJECT	AFFINITY (MORAYFIELD SOUTH) PHASE 1 - STAGES 1 & 2 OPERATIONAL WORKS APPLICATION
DISCLAIMER	ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.

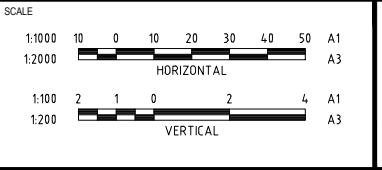
DRAWING TITLE	SEWER RETICULATION LONGITUDINAL SECTIONS SHEET 2 OF 3
PROJECT No.	20-000619
DRAWING No.	2001-202
REVISION	G

MANHOLE/END NAME	4/4	E/14	5/4	E/15	6/4	E/16	7/4	E/17	3/3	E/2	9/3	E/3	10/3	E/4	11/3	E/5	12/3	E/6	13/3	E/7	14/3	E/8	16/3	E/9	8/3	B1/8	B2/8	E/8	
MANHOLE TYPE	MS600	HC	MS600	HC	MS600	HC	MS600	HC	MH 1200mm DIA Y HC		MS600	HC	MS600	HC	MS600	HC	MS600	HC	MS600	HC	MS600	HC	MS600	HC	MH 1600mm DIA LRB	LRB	LRB	END	
LID TYPE																													
JUNCTION LINE	4		4		4		4		3	D	3		3	D	3		3	D	3		3	D	3		3				
DROP TYPE	V		V		V		V		V		V		V		V		V		V		V		V		V				
DEPTH TO HC		1.468 0.950		1.350 0.800		1.234 0.971		1.237		0.950 0.950		1.150 1.400		0.950 1.006		0.850 1.131		1.150 1.335		0.758 1.111		1.150 1.150		0.883 1.400					
HOUSE CONNECTION INVERT LEVEL		A 29.297 B 29.815		A 30.350 B 30.900		A 31.314 B 31.578		A 31.553		A 26.014 A 26.014		B 27.312 B 27.061		B 28.001 B 27.945		B 28.466 B 28.185		B 28.752 B 28.567		B 29.730 B 29.377		B 29.754 B 29.754		B 31.113 A 30.596					
HC TYPE		A B		A B		A B		A		A A		B B		B B		B B		B B		B B		B B		B A					
HC LOT No		12430 155 12430 156		12431 157 12431 158		12442 159 12442 160		13.009 161		12516 117 116		12431 214 12431 215		12438 212 12442 213		12431 210 12431 211		12436 208 12436 209		12436 206 12436 207		12442 204 12442 205		12429 202 12429 203					
CH. FROM D/S MH		12430 12430		12431 12431		12442 12442		13.009		12516 12516		12431 12431		12438 12442		12431 12431		12436 12436		12436 12436		12442 12442		12429 12429					
NOTES:	1. CONCRETE BRIDGING SLAB TO BE CONSTRUCTED OVER ALL SEWERS WHERE PASSING UNDER STORMWATER PIPES Ø600 AND GREATER. 2. ALL MAINTENANCE HOLES TO BE "CAST IN-SITU" TYPE. 3. REFER 20-000619-2001-204 FOR NOTES AND DETAILS																												
DATUM R.L. STREET ETC.	22.0		23.0		24.0		24.0		17.0		20.0		20.0		20.0		21.0		21.0		22.0		23.0		19.0				
DIAMETER	150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC		150Ø PVC SN8				
EMBEDMENT TYPE	CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		CLASS 12 TYPE 3		TYPE 3				
GRADE	1:24		1:18		1:34		1:58		1:100		1:71		1:57		1:33		1:30		1:20		1:19		1:49		1:180				
JUNCTION INVERT LEVEL																													
DEPTH TO INVERT	2.310 2.281		2.240 2.210		1.961 1.931		1.823 1.793		4.014 1.643		2.331 2.301		2.421 2.391		2.484 2.454		2.582 2.552		2.688 2.658		2.832 2.802		2.232 2.262		1.989 1.959		2.680 2.640		
INVERT LEVEL OF SEWER	28.480 28.510		29.486 29.516		30.614 30.644		30.981 31.011		22.917 25.316		26.142 26.172		26.532 26.562		26.842 26.872		27.322 27.352		27.802 27.832		28.232 28.262		30.039 30.069		24.936 24.976		25.014 25.014		
DESIGN SURFACE LEVEL	30.791 30.765		31.726 31.700		32.575 32.549		32.804 32.791		26.958 26.964		28.473 28.462		28.953 28.951		29.325 29.315		29.904 29.902		30.490 30.488		30.906 30.905		32.028 31.996		27.616 27.638		28.019 28.019		
SETOUT COORDINATES	E.3797.943 N.9079.134		E.3817.701 N.9076.034		E.3839.930 N.9072.546		E.3862.159 N.9069.057		E.3694.382 N.9063.247		E.3767.234 N.9170.500		E.3785.017 N.9167.709		E.3798.848 N.9165.539		E.3821.077 N.9162.050		E.3843.306 N.9158.562		E.3863.064 N.9155.462		E.3915.121 N.9117.178		E.3732.084 N.9176.015		E.3726.127 N.9179.450		
RUNNING CHAINAGE	0.000 2.430		0.000 12.431		0.000 12.431		0.000 13.009		0.000 12.516		0.000 12.431		0.000 12.431		0.000 12.431		0.000 12.436		0.000 12.436		0.000 12.442		0.000 12.429		0.000 6.877		6.877 6.125		
LINE NUMBER	E14		E15		E16		E17		E2		E3		E4		E5		E6		E7		E8		E9		8				

FILE: 2001-203.dwg DATE: 12-11-2020 USER: CHRIS GIDDINGS
XREFS: X-20-00619-2001-SEWER

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROVED	DATE	AMENDMENT DETAILS
C	CG	CG	AW	AW	09.06.21	
B	CG	AF	AW	AW	14.10.21	FOR APPROVAL
C	CG	CG	BK	AW	03.08.21	MBRC RFI RESPONSE
D	CG	CG	BK	AW	14.10.21	FOR APPROVAL
C	CG	CG	BK	AW	15.10.21	MBRC RFI RESPONSE
E	WP	WP	BK	AW	18.11.21	UNITYWATER RFI
F	WP	WP	BK	AW	17.12.21	CONSTRUCTION ISSUE
G	CG	CG	BK	AW	17.02.22	SEWER INVERTS AMENDED

STATUS	ISSUED FOR CONSTRUCTION
APPROVED	BY: <i>Anthony Wright</i> 20/02/22
SIGN:	DATE: 17.02.22



CLIENT

FARRY CIVIL Pty Ltd



PROJECT

AFFINITY (MORAYFIELD SOUTH)
PHASE 1 - STAGES 1 & 2
OPERATIONAL WORKS APPLICATION

DISCLAIMER
ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.

DRAWING TITLE	SEWER RETICULATION LONGITUDINAL SECTIONS SHEET 3 OF 3
PROJECT No.	20-000619
DRAWING No.	2001-203
REVISION	G

MAJOR CONNECTIONS CERTIFICATION

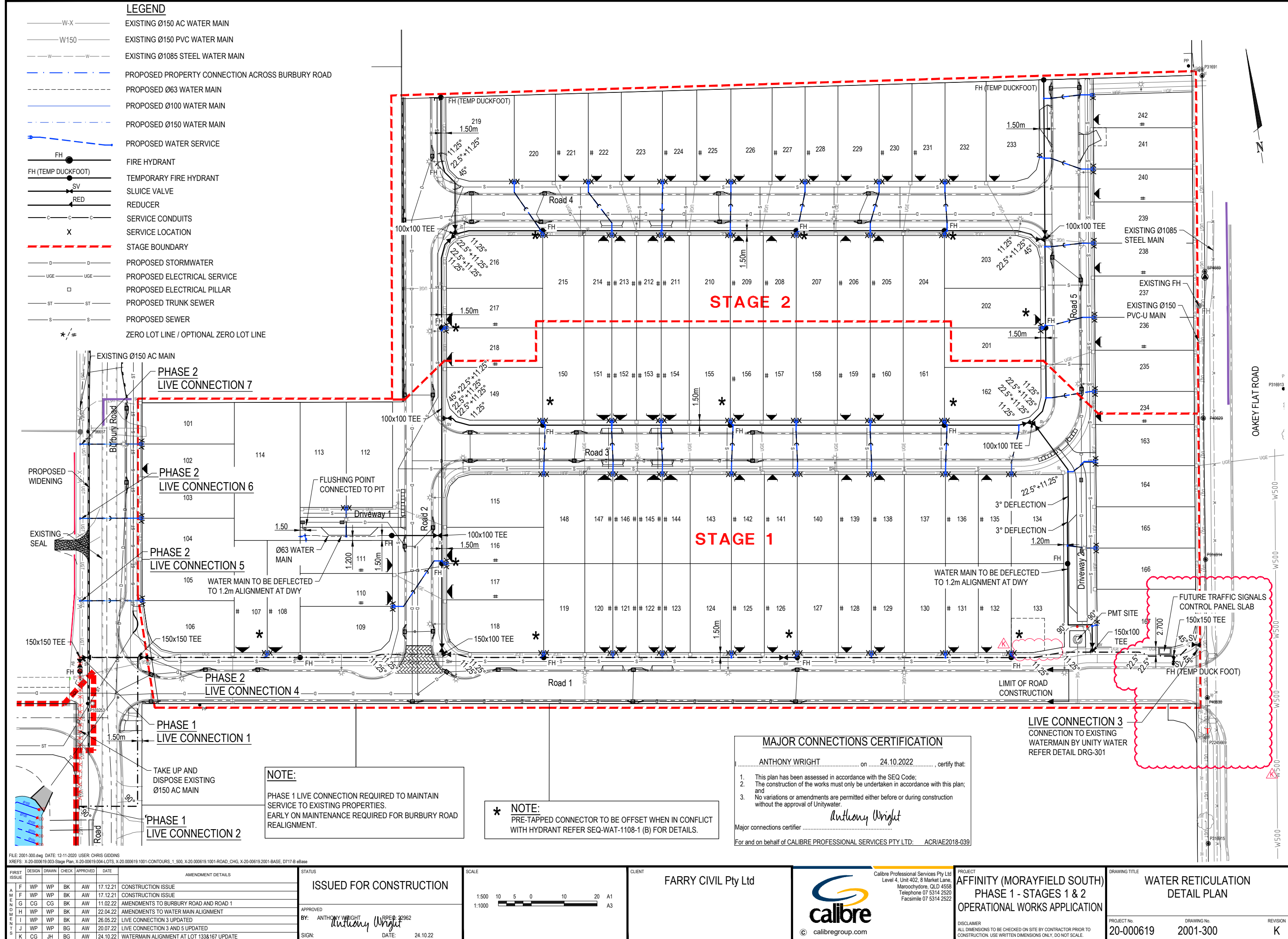
I, ANTHONY WRIGHT on 24.10.2022, certify that:

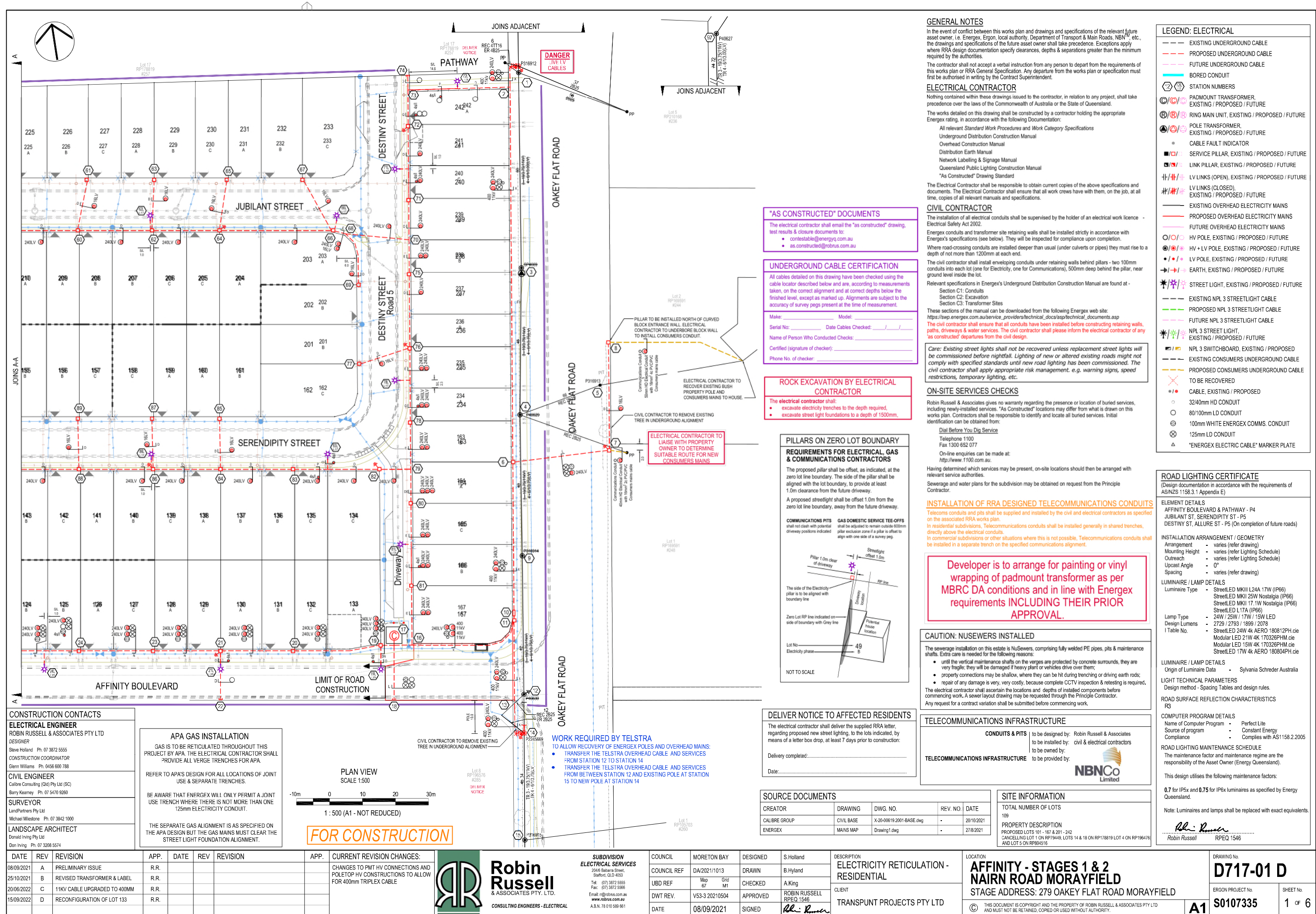
- This plan has been assessed in accordance with the SEQ Code;
- The construction of the works must only be undertaken in accordance with this plan; and
- No variations or amendments are permitted either before or during construction without the approval of Unitywater.

Major connections certifier Anthony Wright

For and on behalf of CALIBRE PROFESSIONAL SERVICES PTY LTD: ACR/AE2018-039

PLANS ARE SUBJECT TO CHANGE BY LOCAL AUTHORITY AND SERVICE PROVIDER. BUYERS MUST SATISFY SELF REGARDING FINAL APPROVED PLANS.





PLANS ARE SUBJECT TO CHANGE BY LOCAL AUTHORITY AND SERVICE PROVIDER. BUYERS MUST SATISFY SELF REGARDING FINAL APPROVED PLANS.



LOCALITY PLAN
Gold Coast/Brisbane UBD 67 - M1
APA GRID REF. - XXXX_XX
NOT TO SCALE

GAS RETICULATION
GAS ALIGNMENT FOR MAINS IN STAND ALONE TRENCH = 0.2m FROM B.O.K (BACK OF KERB) AS PER IPWEAQ STANDARD DRAWING RS-100. REFER TO APA STANDARD DRAWING TR-0003 FOR TRENCH PROFILE.

FOR GAS MAINS TO BE INSTALLED IN A JOINT-USE TRENCH. REFER TO APA STANDARD DRAWING TR-0001 FOR TRENCH PROFILE.

ANY VARIATIONS TO THIS PLAN ARE TO BE APPROVED BY THE RESPONSIBLE APA DESIGNER.

ALL GAS TIE IN AND PURGE POINTS INDICATED ON APA'S FOR CONSTRUCTION PLAN SHALL BE LEFT FREE OF OBSTRUCTION TO ENABLE APA TO COMPLETE THE COMMISSIONING OF THE MAINS. OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO, DRIVEWAYS, FOOTPATHS, PRAM RAMPS ETC. ADDITIONAL COSTS INCURRED BY APA DUE TO OBSTRUCTIONS FOUND AT NOMINATED PURGE POINTS, AS A RESULT OF A SUBMITTED DELAY FORM WILL BE BORNE BY THE DEVELOPER.

CIVIL CONTRACTOR SHALL GIVE APA ONE WEEKS NOTICE BEFORE INSTALLATION OF ROAD CROSSING CONDUITS - EMAIL NOTICE TO APAScheduledWorks@apa.com.au

ELECTRICAL CONTRACTOR SHALL GIVE APA TWO WEEKS NOTICE BEFORE TRENCHING - EMAIL NOTICE TO APAScheduledWorks@apa.com.au

REFERENCE DRAWINGS
TRENCH SECTION - CONSTRUCTION - JOINT USE TRENCH
- ROAD RESERVE - FOOTPATH ONLY TR-0001
GAS SERVICE ALLOCATIONS - GENERAL CONSTRUCTION - CONDUITS & SERVICE CONNECTION TEE - PE GAS MAINS D-0023

CONTACT DETAILS
PHONE - 0477 398 905
EMAIL ADDRESS - APAScheduledWorks@apa.com.au

- LEGEND**
- PROPOSED PE GAS MAINS
 - ROAD CROSSING CONDUIT
 - PROPOSED STAND ALONE TRENCH
 - PROPOSED COMMON TRENCH
 - EXISTING H.P STEEL PIPELINE
 - PROPOSED VALVE
 - PURGE POINTS
 - CONNECTION POINT TO EXISTING MAINS
 - STAGE BOUNDARY
 - PROPOSED REDUCER

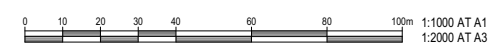
PIPE LENGTHS
PROPOSED 40PE GAS MAIN - COMMON TRENCH - Approx Length 1016 Meters
PROPOSED 63PE GAS MAIN - STAND ALONE TRENCH - Approx Length 500 Meters
PROPOSED 63PE GAS MAIN - COMMON TRENCH - Approx Length 83 Meters
NUMBER OF ROAD CROSSINGS - 21 - Approx Length 315 Meters
NUMBER OF TIE-IN POINTS - 1



NATURAL GAS EMERGENCY
CONTACT NUMBER :
Ph. 1800 427 532

HAVE YOU ASSESSED THE RISK ASSOCIATED WITH THIS WORK? REPORT PROMPTLY ANY CONDITION LIABLE TO CAUSE AN ACCIDENT REMEMBER

YOU ARE  RESPONSIBLE FOR YOUR SAFETY



CONSTRUCTION ISSUE

WO No: M13512582

REV	REVISION	DATE	DRW	DES	CHK	APP	REFERENCE DRGs	DRG No
2	UPDATED BASE - RE-ISSUE FOR CONSTRUCTION	10/03/22	MC	SH	SH	SH		
1	AMENDED TRENCHING - RE-ISSUE FOR CONSTRUCTION	02/03/22	MC	SH	SH	SH		
0	ISSUE FOR CONSTRUCTION	25/01/22	MC	SH	SH	APC		
A	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	25/10/21	MC	SH	SH	SH		



operated by



THIS DRAWING, AND THE INFORMATION AND DETAILS CONTAINED IN IT ARE CONFIDENTIAL AND ARE THE PROPERTY OF APA GROUP. ANY USE MUST BE AUTHORISED BY APA GROUP.			NAME	DATE	PROPOSED INTERNAL RETICULATION		
		DRAWN	M CHUA	25/10/21			
		DESIGNED	S HART	25/10/21	CONSTRUCTION ISSUE AFFINITY - STAGES 1 & 2 NAIRN ROAD, MORAYFIELD		
		CHECKED	S HART	25/01/22			
		APPROVED	AP CRONIN	25/01/22			
A1		SCALE 1:1000	PROJECT No 10489 410.06	MAXIMO No 1588623-21	SHEET 1 OF 1	DRG No E158862321-01	REV 2

DATE PLOTTED: 10 March, 2022 - 11:44am