


CERTIFICATION

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Name: Christopher John Page

Signed:   
Licensed Cadastral Surveyor

Registration Number: 1163943

Date: 12/12/2024

Contact Phone: 027 369 3200

Email: ChrisP@maven.co.nz

- STAGE 1  
STAGE 2  
STAGE 3  
STAGE 4

NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
- COORDINATES IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000 (NZTM 2000).
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ORIGIN OF LEVELS = RM 5846 SO 58211  
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- EX WASTEWATER MAIN DATA OBTAINED FROM AUCKLAND GIS.
- EPA NO. ENG60407601; WATERCARE COMP NO.208656.

Legend

- EX BDY  
AB BDY  
STAGE BDY  
EX RISING MAIN  
EX VACUUM LINE  
AB VACUUM LINE  
AB GRAVITY LINE  
AB VALVE PIT  
AB DIVISION VALVE  
AB REDUCER  
AB END CAP

B	CONNECTION COMPLETED	ML	12/2024
A	DRAFT ASBUILT	ML	10/2024
Rev	Description	By	Date
		By	Date
Survey	DEMPSEY WOOD		08/2024
Design	ML		08/2024
Drawn	ML		08/2024
Checked	JD		08/2024



Project  
**62, 78 AND 80 PAKURA -  
CLEVEDON ROAD,  
CLEVEDON, AUCKLAND  
FOR CLEVEDON  
PROPERTIES LTD**

Title  
**STAGE 1 WASTEWATER  
FLOVAC ASBUILT  
OVERVIEW PLAN**

Project no.	194006
Scale	1:3500 @ A3
Cad file	ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG
Drawing no.	STG_1 C920
Rev	B

WATERCARE SERVICES LTD

Network As-built Approval

As-built Number: COMP-208656

Engineer:  TAYLOR NOH

Date: 19/12/2024

144 PAKURA-CLEVEDON ROAD  
LOT 2 DP 142381, LOT 2 DP 18

73R MONUMENT ROAD  
LOT 2 DP 176480, LOT 2 DP 67978, PT  
ALLT 3 PARO WAIROA, LOT 1 DP 67852,  
LOT 2 DP 67852, LOT 1 DP 176480

REFER TO STG-1 C926

REFER TO STG-1 C927

REFER TO STG-1 C928

REFER TO STG-1 C922

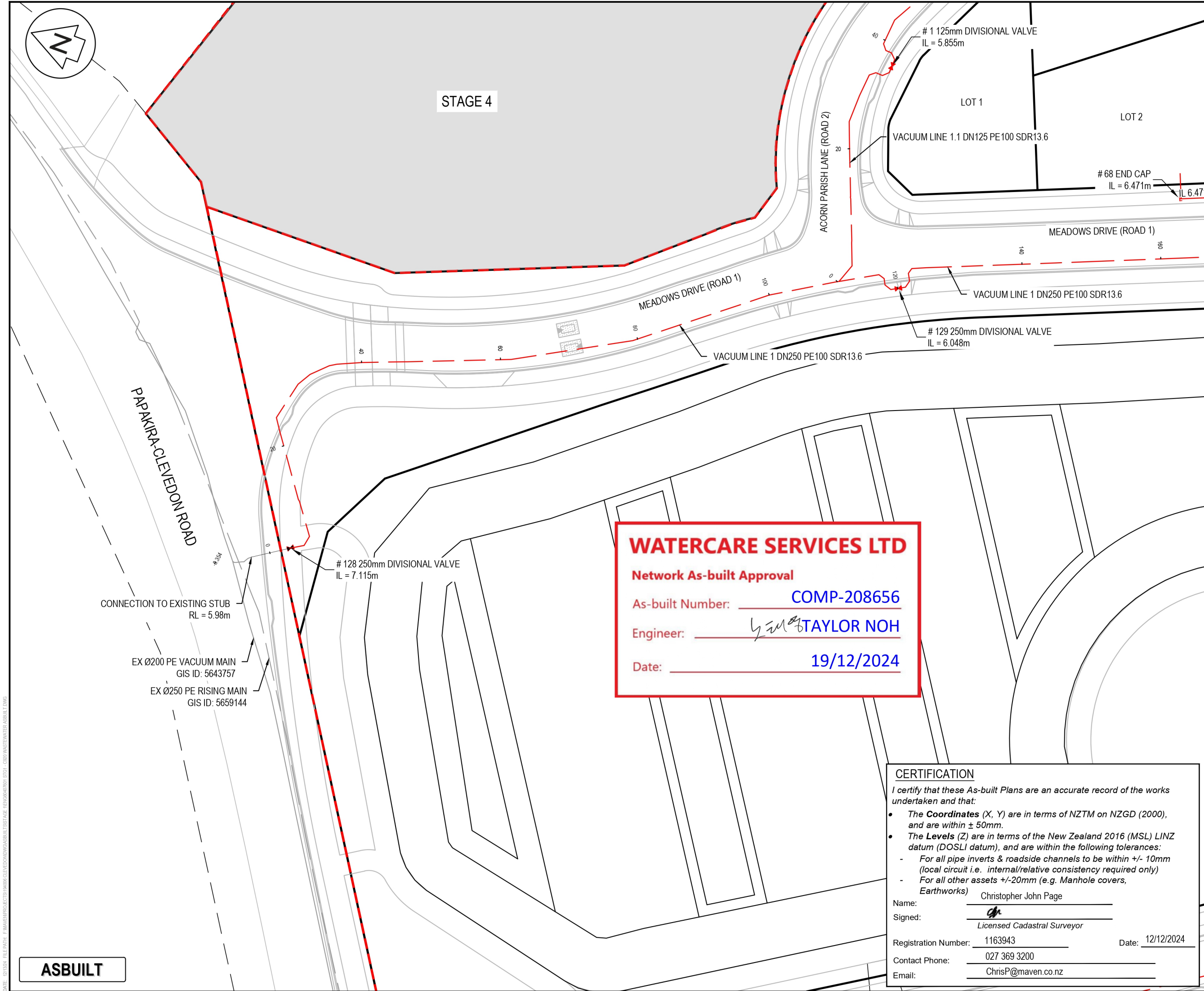
REFER TO STG-1 C923

REFER TO STG-1 C924

REFER TO STG-1 C925

REFER TO STG-1 C921

ASBUILT



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Legend

---	EX BDY
---	AB BDY
---	STAGE BDY
---	EX RISING MAIN
---	EX VACUUM LINE
---	AB VACUUM LINE
---	AB GRAVITY LINE
⊙	AB VALVE PIT
⊕	AB DIVISION VALVE
□	AB REDUCER
⌋	AB END CAP

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**M** **Maven Associates**  
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5 Owens Road, Epsom  
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Project  
**62, 78 AND 80 PAPA KIRA -  
CLEVEDON ROAD,  
CLEVEDON, AUCKLAND  
FOR CLEVEDON  
PROPERTIES LTD**

Title  
**STAGE 1 WASTEWATER  
FLOVAC ASBUILT  
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG
Drawing no.	STG_1 C921
Rev	<b>B</b>

**WATERCARE SERVICES LTD**

**Network As-built Approval**

As-built Number: **COMP-208656**

Engineer: **TAYLOR NOH**

Date: **19/12/2024**

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Name: Christopher John Page

Signed: *[Signature]*  
Licensed Cadastral Surveyor

Registration Number: 1163943 Date: 12/12/2024

Contact Phone: 027 369 3200

Email: ChrisP@maven.co.nz

ASBUILT

DATE: 10/12/2024 FILE PATH: F:\Maven\Projects\62,78,80 PAPA KIRA-CLEVEDON\DWG\ASBUILT\STG1 - C920 WASTEWATER ASBUILT.DWG

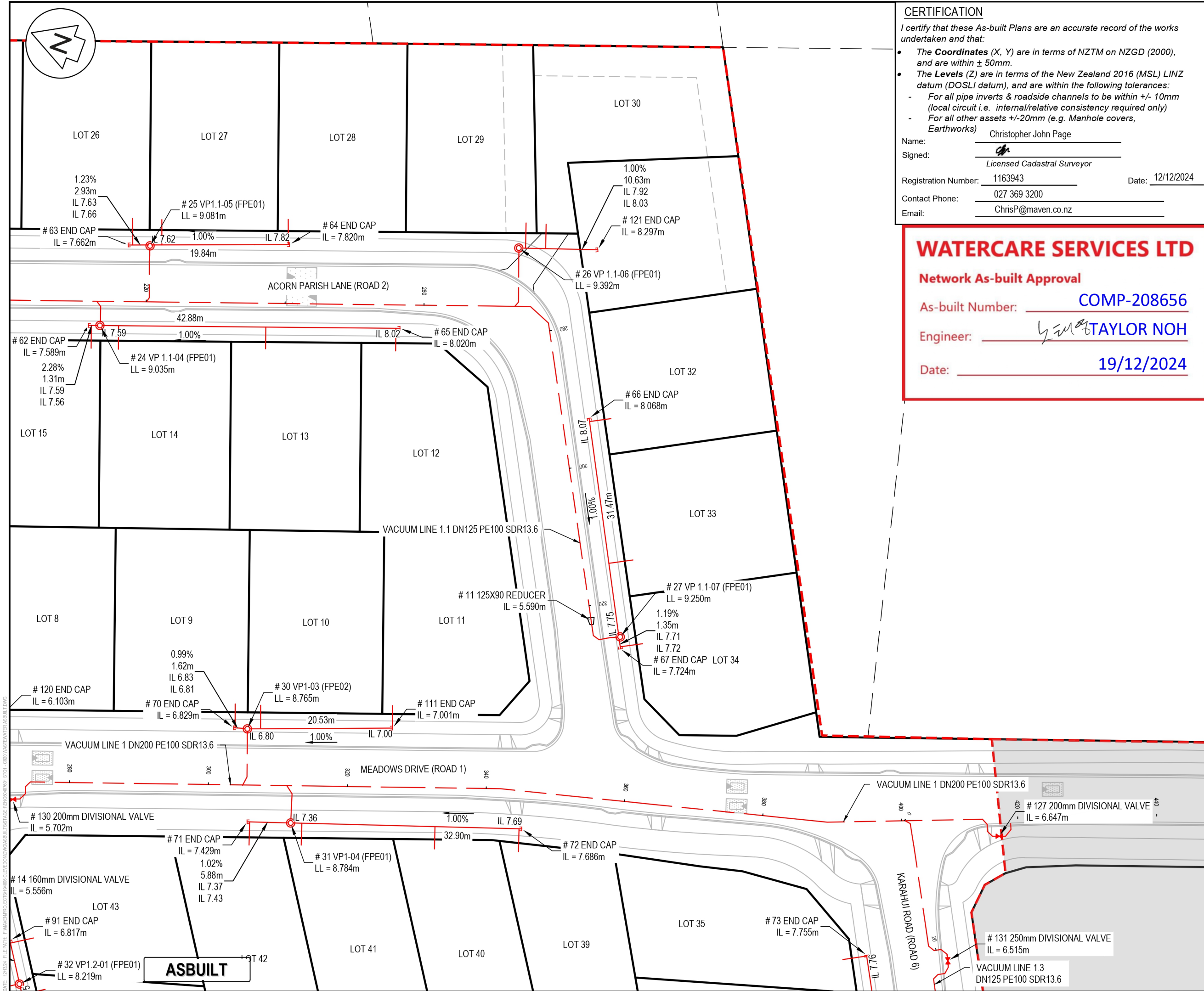




Date: 19/12/2024

Project no.	194006		
Scale	1:500 @ A3		
Cad file	ENG60407601 STG1 - C920 WASTEWATER ASBUILT DWG		
Drawing no.	STG_1 C922	Rev	<b>B</b>

## ASBUILT



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WATERCARE SERVICES LTD

Network As-built Approval

As-built Number: COMP-208656

Engineer: TAYLOR NOH

Date: 19/12/2024

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Legend

- EX BDY
- AB BDY
- STAGE BDY
- EX RISING MAIN
- EX VACUUM LINE
- AB VACUUM LINE
- AB GRAVITY LINE
- AB VALVE PIT
- AB DIVISION VALVE
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Drawn	ML		08/2024
Checked	JD		08/2024

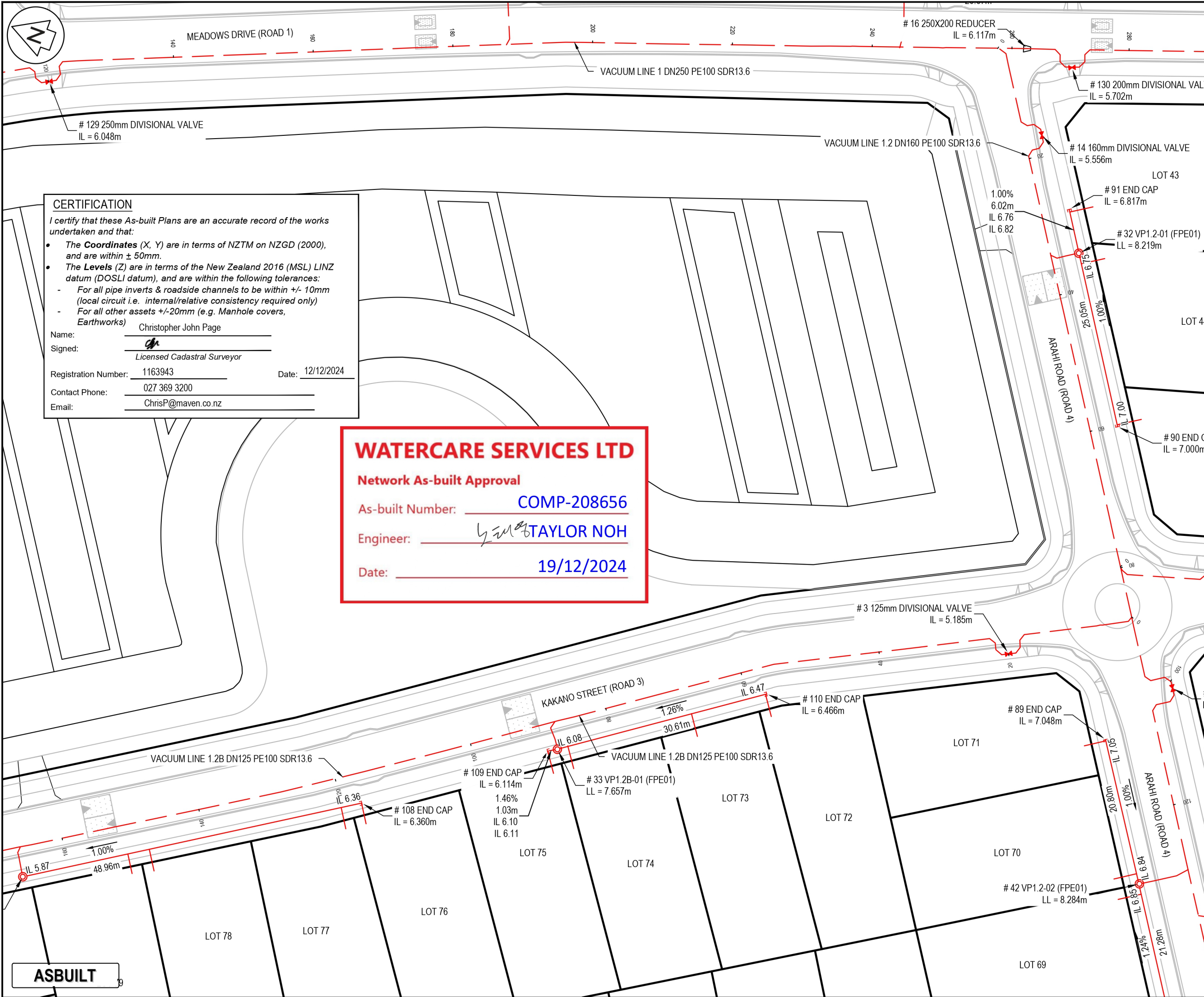


Project  
**62, 78 AND 80 PAPAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD**

Title  
**STAGE 1 WASTEWATER FLOVAC ASBUILT PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG
Drawing no.	STG_1 C923
Rev	B





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**WATERCARE SERVICES LTD**

Network As-built Approval

As-built Number: **COMP-208656**

Engineer: **TAYLOR NOH**

Date: **19/12/2024**

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Project  
**62, 78 AND 80 PAKAPURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD**

Title  
**STAGE 1 WASTEWATER FLOVAC ASBUILT PLAN**

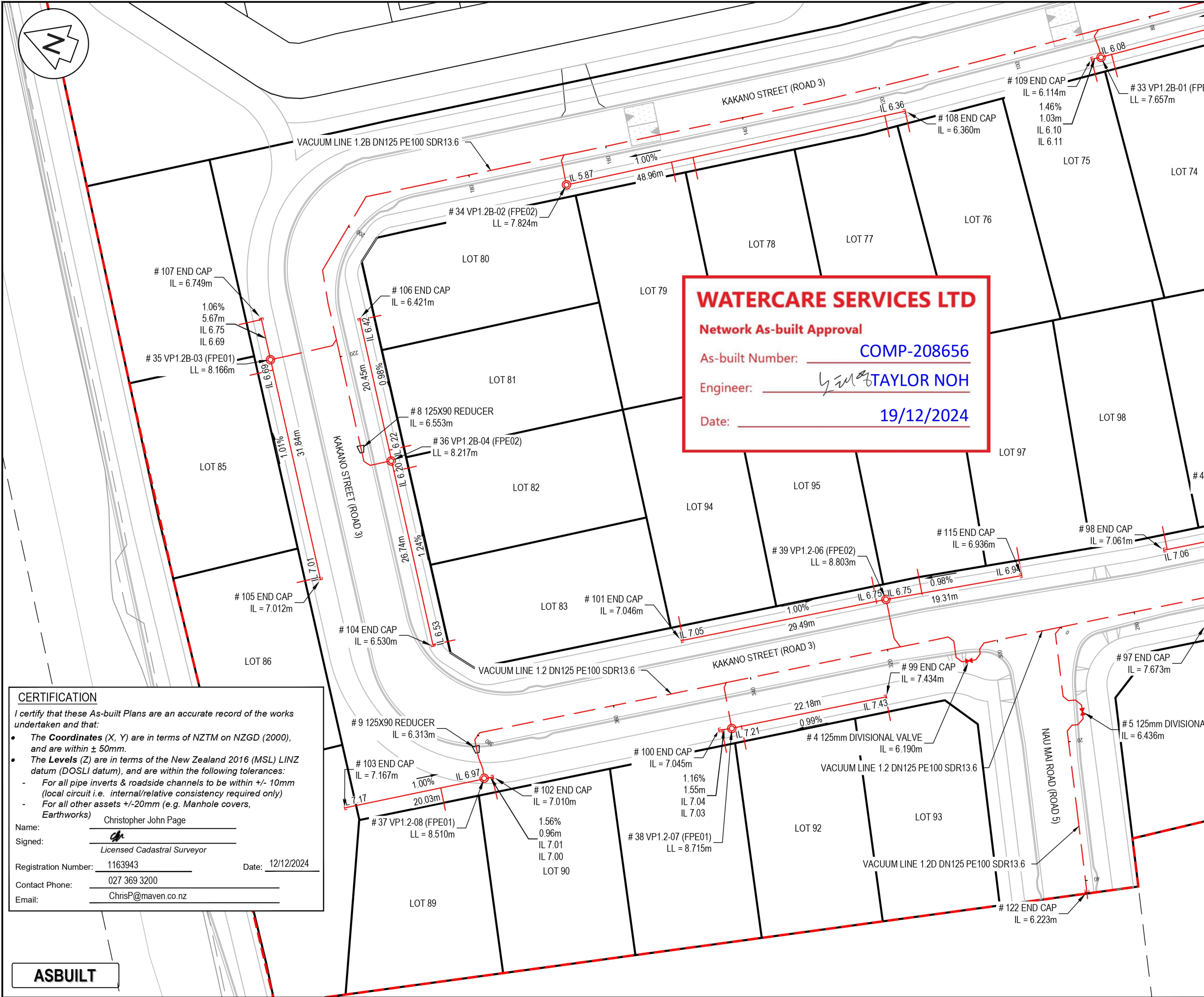
Project no.	194006
Scale	1:500 @ A3
Cad file	ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG
Drawing no.	STG_1 C924
Rev	<b>B</b>

DATE: 10/12/2024 FILE PATH: I:\Maven\Projects\62,78,80 PAKAPURA\ASBUILT\STAGE 1\ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG









- NOTES
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- Legend
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**WATERCARE SERVICES LTD**

Network As-built Approval

As-built Number: **COMP-208656**

Engineer: **TAYLOR NOH**

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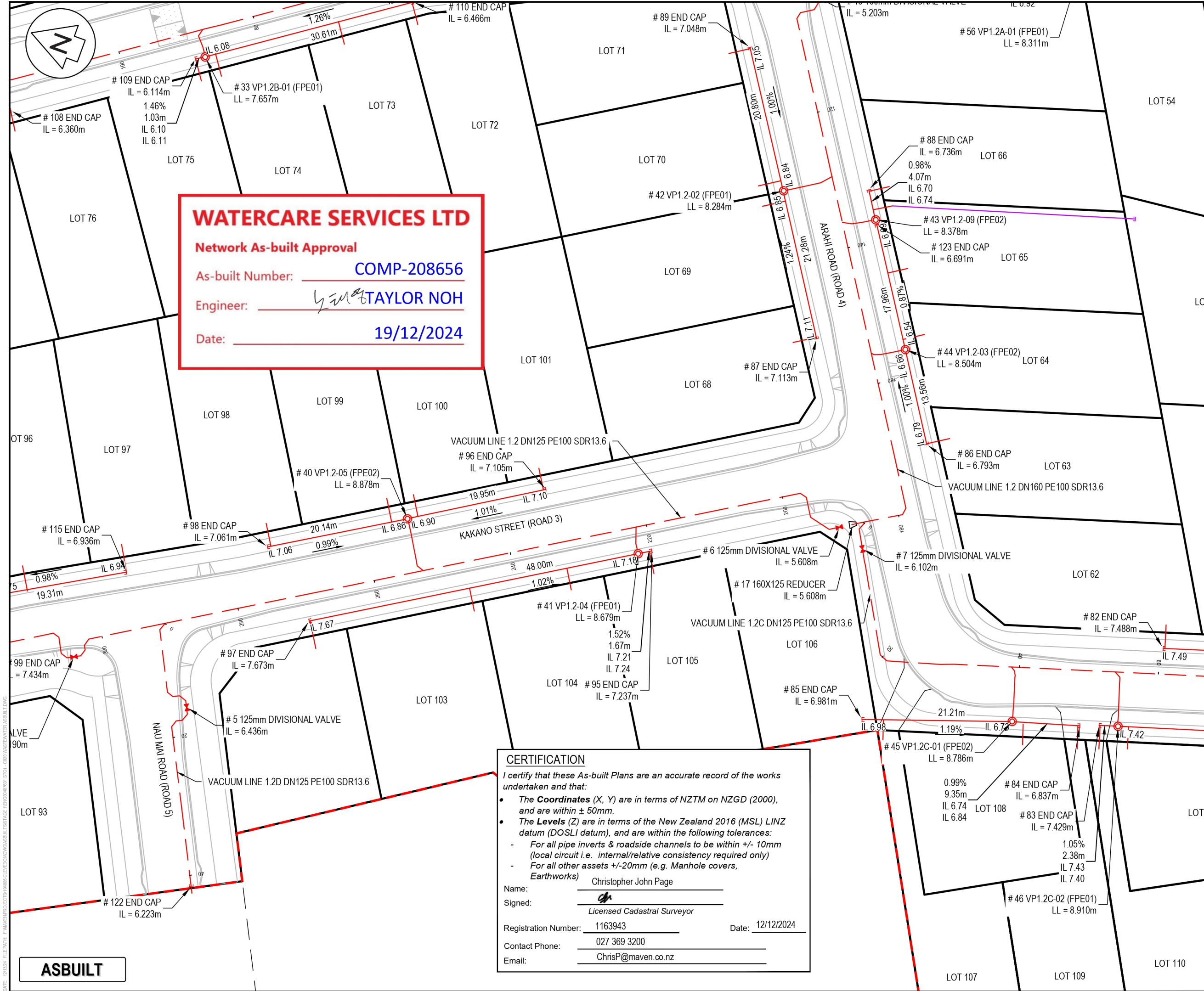
Project

**62, 78 AND 80 PAPAURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD**

Title	
<b>STAGE 1 WASTEWATER FLOVAC ASBUILT PLAN</b>	
Project no.	194006
Scale	1:500 @ A3
Cad file	ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG
Drawing no.	STG_1 C926
Rev	<b>B</b>

**ASBUILT**





**WATERCARE SERVICES LTD**

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**Legend**

EX BDY

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STAGE BDY

EX RISING MAIN

EX VACUUM LINE

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Project

**62, 78 AND 80 PAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD**

Title

**STAGE 1 WASTEWATER FLOVAC ASBUILT PLAN**

Project no.

194006

Scale

1:500 @ A3

Cad file

ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG

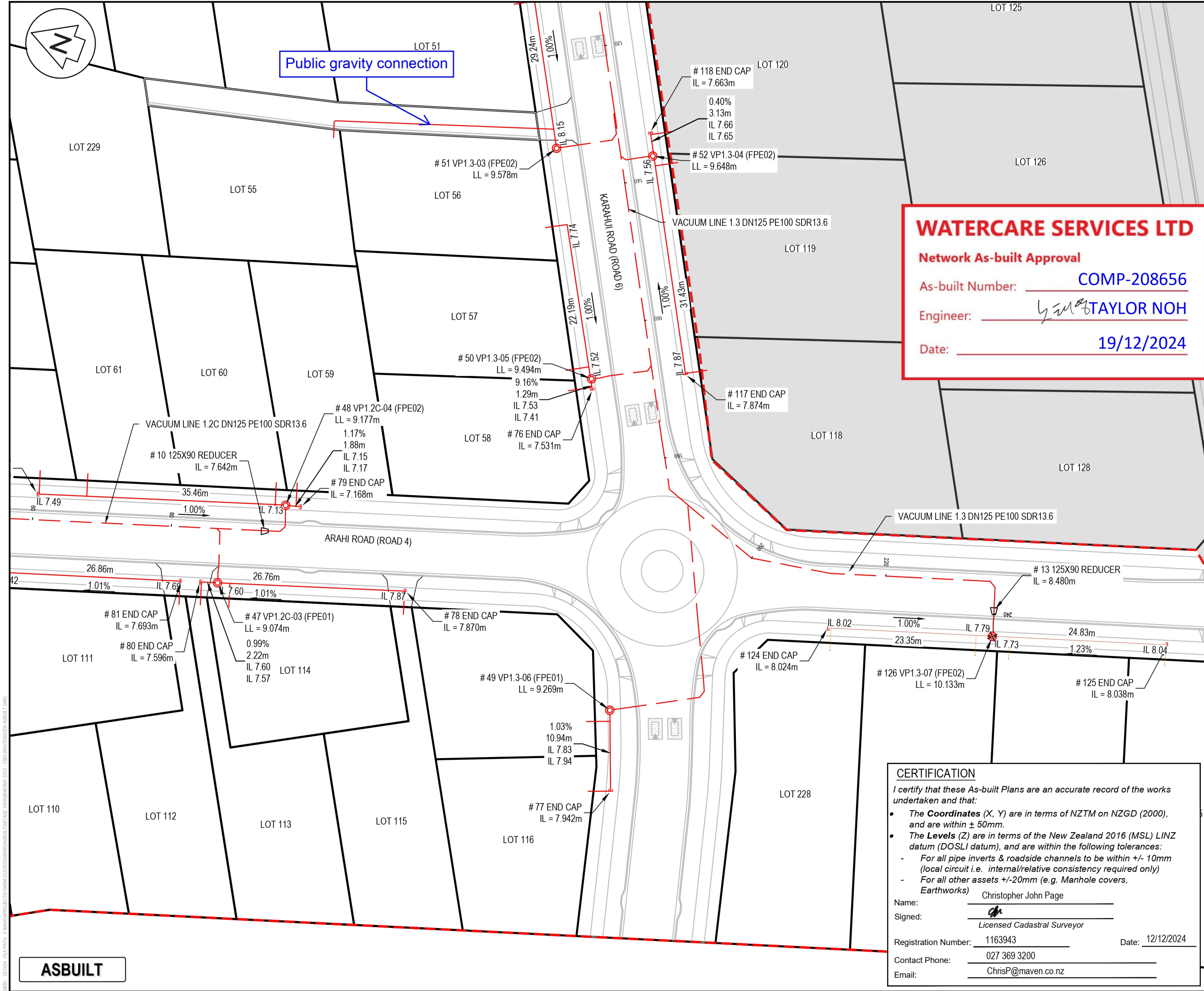
Drawing no.

STG\_1 C927

Rev

**B**





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PROPERTIES LTD**

Title  
**STAGE 1 WASTEWATER  
FLOVAC ASBUILT  
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	ENG60407601 STG1 - C920 WASTEWATER ASBUILT.DWG
Drawing no.	STG_1 C928
Rev	<b>B</b>

**WATERCARE SERVICES LTD**

**Network As-built Approval**

As-built Number: COMP-208656

Engineer: TAYLOR NOH

Date: 19/12/2024

**CERTIFICATION**

I certify that these As-built Plans are an accurate record of the works undertaken and that:

- The **Coordinates** (X, Y) are in terms of NZTM on NZGD (2000), and are within ± 50mm.
- The **Levels** (Z) are in terms of the New Zealand 2016 (MSL) LINZ datum (DOSLI datum), and are within the following tolerances:
  - For all pipe inverts & roadside channels to be within +/- 10mm (local circuit i.e. internal/relative consistency required only)
  - For all other assets +/-20mm (e.g. Manhole covers, Earthworks)

Name: Christopher John Page

Signed: [Signature]  
Licensed Cadastral Surveyor

Registration Number: 1163943 Date: 12/12/2024

Contact Phone: 027 369 3200

Email: ChrisP@maven.co.nz

**ASBUILT**



DATE: 07/12/24 FILE PATH: F:\WATERPROJECTS\BHAMU CLEVEDON\WASBUILT\ESTDGE\_FLOVAC\001 STG1 - C929 WASTEWATER ASBUILT.DWG

TABLE OF CO-ORDINATES (NZTM)			
Point #	Description	Northing	Easting
6	125mm DIVISIONAL VALVE	5903134.02mN	1781028.35mE
7	125mm DIVISIONAL VALVE	5903129.83mN	1781026.56mE
5	125mm DIVISIONAL VALVE	5903213.39mN	1780971.82mE
4	125mm DIVISIONAL VALVE	5903231.15mN	1780973.11mE
3	125mm DIVISIONAL VALVE	5903187.00mN	1781095.67mE
2	125mm DIVISIONAL VALVE	5903163.13mN	1781118.16mE
1	125mm DIVISIONAL VALVE	5903355.84mN	1781155.35mE
8	125X90 REDUCER	5903323.24mN	1780971.81mE
9	125X90 REDUCER	5903293.07mN	1780937.17mE
10	125X90 REDUCER	5903051.67mN	1781034.13mE
13	125X90 REDUCER	5902949.10mN	1781059.31mE
12	125X90 REDUCER	5903119.65mN	1781127.78mE
11	125X90 REDUCER	5903137.77mN	1781230.33mE
15	160mm DIVISIONAL VALVE	5903163.28mN	1781099.07mE
14	160mm DIVISIONAL VALVE	5903207.95mN	1781167.03mE
17	160X125 REDUCER	5903132.34mN	1781029.40mE
130	200mm DIVISIONAL VALVE	5903207.21mN	1781177.60mE
127	200mm DIVISIONAL VALVE	5903071.96mN	1781221.26mE
131	250mm DIVISIONAL VALVE	5903072.76mN	1781201.87mE
129	250mm DIVISIONAL VALVE	5903344.02mN	1781125.60mE
128	250mm DIVISIONAL VALVE	5903413.41mN	1781060.50mE
16	250X200 REDUCER	5903214.17mN	1781177.99mE
125	END CAP	5902923.94mN	1781063.24mE
124	END CAP	5902970.77mN	1781048.76mE
123	END CAP	5903143.86mN	1781071.13mE
122	END CAP	5903203.95mN	1780947.78mE
121	END CAP	5903155.18mN	1781280.82mE
120	END CAP	5903213.68mN	1781186.70mE
119	END CAP	5903256.58mN	1781171.82mE
118	END CAP	5903019.17mN	1781107.11mE
117	END CAP	5903002.47mN	1781076.06mE
115	END CAP	5903228.23mN	1780987.15mE
114	END CAP	5903099.17mN	1781136.93mE
113	END CAP	5903042.63mN	1781150.23mE
112	END CAP	5903044.01mN	1781152.95mE

TABLE OF CO-ORDINATES (NZTM)			
Point #	Description	Northing	Easting
111	END CAP	5903159.32mN	1781206.02mE
110	END CAP	5903217.54mN	1781078.41mE
109	END CAP	5903244.20mN	1781059.98mE
108	END CAP	5903266.62mN	1781043.91mE
107	END CAP	5903343.09mN	1780984.50mE
106	END CAP	5903329.83mN	1780989.29mE
105	END CAP	5903322.28mN	1780952.25mE
104	END CAP	5903303.86mN	1780948.80mE
103	END CAP	5903307.88mN	1780922.73mE
102	END CAP	5903289.38mN	1780934.18mE
92	END CAP	5903138.73mN	1781126.91mE
101	END CAP	5903270.82mN	1780961.71mE
100	END CAP	5903261.39mN	1780951.51mE
99	END CAP	5903240.47mN	1780964.22mE
98	END CAP	5903210.39mN	1780997.52mE
97	END CAP	5903201.10mN	1780989.55mE
84	END CAP	5903091.70mN	1781013.36mE
83	END CAP	5903089.11mN	1781014.37mE
82	END CAP	5903084.25mN	1781027.93mE
74	END CAP	5903063.53mN	1781160.63mE
73	END CAP	5903084.03mN	1781198.62mE
72	END CAP	5903136.90mN	1781198.72mE
70	END CAP	5903180.85mN	1781198.20mE
64	END CAP	5903197.12mN	1781266.31mE
63	END CAP	5903218.92mN	1781258.31mE
62	END CAP	5903220.35mN	1781245.47mE
61	END CAP	5903247.30mN	1781248.42mE
60	END CAP	5903252.76mN	1781233.95mE
59	END CAP	5903292.63mN	1781219.85mE
58	END CAP	5903324.79mN	1781201.93mE
57	END CAP	5903347.56mN	1781173.44mE
96	END CAP	5903175.58mN	1781019.02mE
95	END CAP	5903158.21mN	1781015.93mE
94	END CAP	5903091.40mN	1781126.96mE
93	END CAP	5903131.11mN	1781116.61mE

TABLE OF CO-ORDINATES (NZTM)			
Point #	Description	Northing	Easting
91	END CAP	5903200.62mN	1781158.39mE
90	END CAP	5903183.46mN	1781131.54mE
89	END CAP	5903169.76mN	1781088.87mE
88	END CAP	5903146.66mN	1781075.46mE
87	END CAP	5903146.40mN	1781052.75mE
86	END CAP	5903126.28mN	1781043.88mE
85	END CAP	5903121.48mN	1781003.48mE
81	END CAP	5903060.51mN	1781023.23mE
80	END CAP	5903057.95mN	1781024.06mE
79	END CAP	5903047.93mN	1781039.21mE
78	END CAP	5903029.63mN	1781032.95mE
71	END CAP	5903174.40mN	1781186.13mE
69	END CAP	5903285.57mN	1781161.74mE
77	END CAP	5902992.06mN	1781015.98mE
68	END CAP	5903310.38mN	1781151.58mE
76	END CAP	5903014.32mN	1781069.38mE
67	END CAP	5903132.42mN	1781227.94mE
75	END CAP	5903045.19mN	1781126.27mE
66	END CAP	5903148.04mN	1781257.58mE
65	END CAP	5903178.04mN	1781260.44mE
28	VP 1-01 (FP02)	5903287.13mN	1781161.04mE
29	VP 1-02 (FPE02)	5903233.40mN	1781179.55mE
24	VP 1.1-04 (FPE01)	5903218.77mN	1781246.03mE
26	VP 1.1-06 (FPE01)	5903165.93mN	1781277.15mE
27	VP 1.1-07 (FPE01)	5903133.04mN	1781229.54mE
30	VP1-03 (FPE02)	5903178.93mN	1781198.72mE
31	VP1-04 (FPE01)	5903168.44mN	1781188.13mE
21	VP1.1-01 (FP02)	5903326.84mN	1781199.22mE
22	VP1.1-02 (FPE01)	5903303.40mN	1781228.36mE
23	VP1.1-03 (FPE02)	5903264.85mN	1781229.55mE
25	VP1.1-05 (FPE01)	5903215.91mN	1781259.27mE
32	VP1.2-01 (FPE01)	5903197.18mN	1781152.96mE
42	VP1.2-02 (FPE01)	5903158.13mN	1781071.14mE
44	VP1.2-03 (FPE02)	5903133.85mN	1781055.65mE
41	VP1.2-04 (FPE01)	5903159.92mN	1781014.87mE

TABLE OF CO-ORDINATES (NZTM)			
Point #	Description	Northing	Easting
40	VP1.2-05 (FPE02)	5903192.84mN	1781008.21mE
39	VP1.2-06 (FPE02)	5903245.30mN	1780977.29mE
38	VP1.2-07 (FPE01)	5903259.70mN	1780952.39mE
37	VP1.2-08 (FPE01)	5903290.55mN	1780933.56mE
43	VP1.2-09 (FPE02)	5903144.25mN	1781071.74mE
56	VP1.2A-01 (FPE01)	5903129.09mN	1781117.32mE
55	VP1.2A-02 (FPE02)	5903117.67mN	1781132.15mE
33	VP1.2B-01 (FPE01)	5903242.97mN	1781060.71mE
34	VP1.2B-02 (FPE02)	5903308.58mN	1781017.39mE
35	VP1.2B-03 (FPE01)	5903339.79mN	1780979.37mE
36	VP1.2B-04 (FPE02)	5903318.60mN	1780971.65mE
45	VP1.2C-01 (FPE02)	5903101.06mN	1781010.61mE
46	VP1.2C-02 (FPE01)	5903086.50mN	1781015.17mE
47	VP1.2C-03 (FPE01)	5903055.49mN	1781024.80mE
48	VP1.2C-04 (FPE02)	5903050.10mN	1781038.65mE
54	VP1.3-01 (FPE02)	5903072.94mN	1781178.00mE
53	VP1.3-02 (FPE02)	5903043.16mN	1781151.40mE
51	VP1.3-03 (FPE02)	5903031.06mN	1781100.30mE
52	VP1.3-04 (FPE02)	5903017.67mN	1781104.00mE
50	VP1.3-05 (FPE02)	5903014.96mN	1781070.83mE
49	VP1.3-06 (FPE01)	5902996.16mN	1781026.91mE
126	VP1.3-07 (FPE02)	5902948.06mN	1781055.73mE

WATERCARE SERVICES LTD

Network As-built Approval

As-built Number: COMP-208656

Engineer:  TAYLOR NOH


Date: 19/12/2024

CERTIFICATION

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  - For all other assets +/-20mm (e.g. Manhole covers, Earthworks)*

Name:



Signed:

Licensed Cadastral Surveyor

Registration Number:

1163943

Date:

12/12/2024

Contact Phone:

027 369 3200

Email:

ChrisP@maven.co.nz

NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.

2. COORDINATES IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000 (NZTM 2000).

3. LEVELS IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016 (NZVD2016).

ORIGIN OF LEVELS = RM 5846 SO 58211

PUBLISHED RL=10.309, SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.

4. ALL GRAVITY PIPES ARE DN150 uPVC SN16.WORKS CARRIED OUT BY DEMPSEY WOOD.

5. GAP20 USED FOR BEDDING, GAP65 USED FOR HARDFILL BACKFILL BENEATH HARDSTAND SURFACES.

6. LENGTH, GRADE AND INVERT LEVELS OF GRAVITY PIPE SHOWN ON THE PIPES.

7. WORKS COMPLETED IN AUGUST 2024.

8. CONSTRUCTED IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.

9. ALL DRAINAGE IS PUBLIC UNLESS SHOWN OTHERWISE.

10. ALL CONNECTIONS ARE 100MM UPVC SN16 UNLESS NOTED OTHERWISE.

11. WASTEWATER AS-BUILTS CAD FILE NAME: "NZTM 20240913 FLOVAC SYSTEM ASBUILT REV2.DWG". RECEIVED ON 16/09/2024.

12. WASTEWATER ASBUILT DATA PROVIDED BY DEMPSEY WOOD.

13. EX WASTEWATER MAIN DATA OBTAINED FROM AUCKLAND GIS.

14. EPA NO. ENG60407601; WATERCARE COMP NO.208656.

B

CONNECTION COMPLETED

ML

12/2024

A

DRAFT ASBUILT

ML

10/2024

Rev

Description

By

Date

By

Date

Survey

DEMPSEY WOOD

08/2024

Design

ML

08/2024

Drawn


ML

08/2024

Checked

JD

08/2024



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Project

62, 78 AND 80 PAPAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title

STAGE 1 WASTEWATER FLOVAC ASBUILT PLAN

Project no.

194006

Scale

NTS

Cad file

ENG60407601 STG1 - C929 WASTEWATER ASBUILT.DWG

Drawing no.

STG\_1 C929

Rev

B