

LEGEND

LOT BOUNDARIES

STAGE BOUNDARIES

ROAD CENTRELINE

RAINGARDEN AND OUTLET PIPE

NEW STORMWATER PIPE

NEW STORMWATER LOT CONNECTION

NEW STORMWATER SINGLE CATCHPIT / DOUBLE CATCHPIT

EXISTING STORMWATER PIPE

EXISTING SINGLE / DOUBLE CATCHPIT

ABANDONED STORMWATER PIPE

STORMWATER MANHOLE EXISTING / NEW / ABANDONED

GRASSED SW TREATMENT SWALE

FUTURE STAGE

NOTES

1. ALL WORKS AND MATERIALS COMPLY WITH THE WAIKATO LOCAL AUTHORITY SHARED SERVICES REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS (RITS) (MAY 2018).

2. MANHOLES ARE TO BE 1050mm Ø CONCRETE MANHOLES UNLESS OTHERWISE NOTED.

3. PIPES ARE CLASS 2 RCRRJ UNLESS OTHERWISE NOTED.

4. ALL SINGLE CATCHPIT LEADS ARE CLASS 4 RCRRJ 225mm Ø AND ALL DOUBLE CATCHPIT LEADS ARE CLASS 4 RCRRJ 300mm Ø UNLESS OTHERWISE NOTED.

5. PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.

6. ALL BELOW GROUND ALIGNMENT OF LATERAL LOT CONNECTIONS AND POSITION OF SADDLE CONNECTIONS OF CATCHPITS ON THE MAIN LINES WAS COMPLETED BY ROSS REID CONTRACTORS.

7. LEVELS ARE IN TERMS OF THE MOTURIKI DATUM 1953.

8. ALL CO-ORDINATES ARE IN TERMS OF NZTM.

9. ALL LOT CONNECTION PIPES ARE 100mmØ u-PVC SN16.

CERTIFICATION

I CERTIFY THAT THESE ASBUILT 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 ±0.10m.
- THE LEVELS (Z) ARE IN TERMS OF THE MOTURIKI DATUM 1953, AND ARE WITHIN ±0.01m.

SIGNED .....  
LICENSED CADASTRAL SURVEYOR

DATE: .....  
NAME: NATHAN HOGG  
ADDRESS: P.O.BOX 28-345, REMUERA, AUCKLAND  
CONTACT: (09) 579 5505  
EMAIL: Nathan.Hogg@candor3.co.nz

RELEVANT CONSENT NUMBERS:  
SUB0340/18.02 & LUC0137/19

ASBUILT

REV DESCRIPTION		BY	APPVD	DATE	PROJECT		CLIENT		PURPOSE		
<div><div>Candor<sup>3</sup></div><div>ENGINEERING FOR LIFE</div></div>					LAKESIDE, TE KAUWHATA STORMWATER LAYOUT STAGE 4 1 OF 3		LAKESIDE DEVELOPMENTS 2017 LIMITED		AS-BUILT		
DESIGN JS		APPROVED BY NH		SCALE		PROJECT NO.		DRAWING NO.		REV.	
DRAWN JS		DATE		1:2500 @ A3		1239		AB-4-100		-	
CHECK RS		SEP 2020									

- LEGEND**
- LOT BOUNDARIES
  - STAGE BOUNDARIES
  - ROAD CENTRELINE
  - RAINGARDEN AND OUTLET PIPE
  - NEW STORMWATER PIPE
  - NEW STORMWATER LOT CONNECTION  
(17.4m)  
@ CH58.92
  - NEW STORMWATER SINGLE CATCHPIT / DOUBLE CATCHPIT
  - EXISTING STORMWATER PIPE
  - EXISTING SINGLE / DOUBLE CATCHPIT
  - ABANDONED STORMWATER PIPE
  - STORMWATER MANHOLE  
EXISTING / NEW / ABANDONED
  - GRASSED SW TREATMENT SWALE
  - FUTURE STAGE

- NOTES**
- ALL WORKS AND MATERIALS COMPLY WITH THE WAIKATO LOCAL AUTHORITY SHARED SERVICES REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS (RITS) (MAY 2018).
  - MANHOLES ARE TO BE 1050mm Ø CONCRETE MANHOLES UNLESS OTHERWISE NOTED.
  - PIPES ARE CLASS 2 RCRRJ UNLESS OTHERWISE NOTED.
  - ALL SINGLE CATCHPIT LEADS ARE CLASS 4 RCRRJ 225mm Ø AND ALL DOUBLE CATCHPIT LEADS ARE CLASS 4 RCRRJ 300mm Ø UNLESS OTHERWISE NOTED.
  - PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
  - ALL BELOW GROUND ALIGNMENT OF LATERAL LOT CONNECTIONS AND POSITION OF SADDLE CONNECTIONS OF CATCHPITS ON THE MAIN LINES WAS COMPLETED BY ROSS REID CONTRACTORS.
  - LEVELS ARE IN TERMS OF THE MOTURIKI DATUM 1953.
  - ALL CO-ORDINATES ARE IN TERMS OF NZTM.
  - ALL LOT CONNECTION PIPES ARE 100mmØ u-PVC SN16.

**CERTIFICATION**

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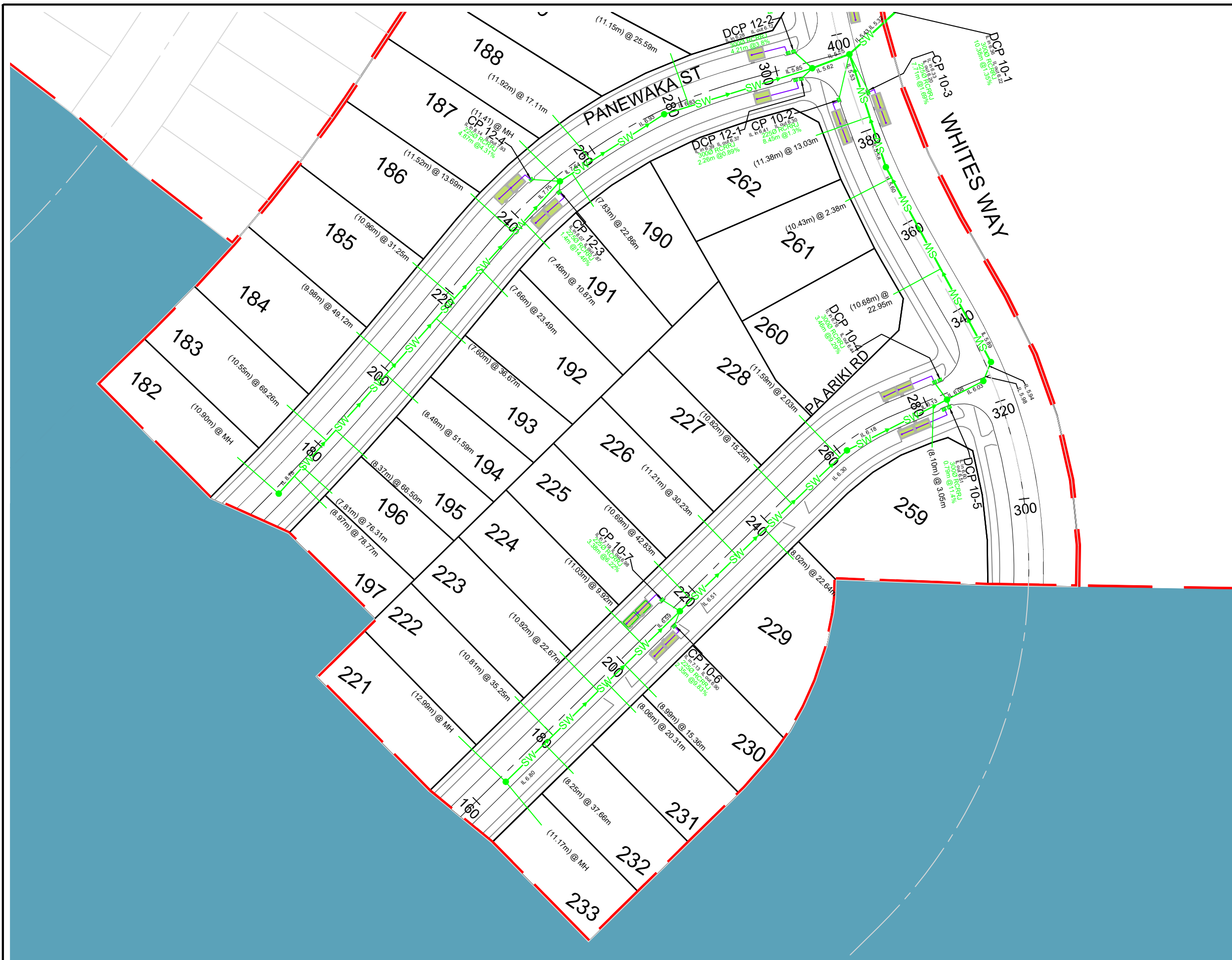
**RELEVANT CONSENT NUMBERS:**  
SUB0340/18.02 & LUC0137/19

**ASBUILT**



REV	DESCRIPTION	BY	APPVD	DATE	PROJECT	CLIENT	PURPOSE
					LAKESIDE, TE KAUPHATA STORMWATER LAYOUT STAGE 4 2 OF 3	LAKESIDE DEVELOPMENTS 2017 LIMITED	AS-BUILT
							DESIGN JS DRAWN JS CHECK RS
							APPROVED BY NH DATE SEP 2020
							SCALE 1:750 @ A3
							PROJECT NO. 1239
							DRAWING NO. AB-4-101
							REV. -





LEGEND

LOT BOUNDARIES

STAGE BOUNDARIES

ROAD CENTRELINE

RAINGARDEN AND OUTLET PIPE

NEW STORMWATER PIPE

(17.4m)  
@ CH58.92

NEW STORMWATER LOT CONNECTION

NEW STORMWATER  
SINGLE CATCHPIT / DOUBLE CATCHPIT

EXISTING STORMWATER PIPE

EXISTING SINGLE / DOUBLE CATCHPIT

ABANDONED STORMWATER PIPE

STORMWATER MANHOLE  
EXISTING / NEW / ABANDONED

GRASSED SW TREATMENT SWALE

FUTURE STAGE

- NOTES
1.

ALL WORKS AND MATERIALS COMPLY WITH THE WAIKATO LOCAL AUTHORITY SHARED SERVICES REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS (RITS) (MAY 2018).
2.

MANHOLES ARE TO BE 1050mm Ø CONCRETE MANHOLES UNLESS OTHERWISE NOTED.
3.

PIPES ARE CLASS 2 RCRRJ UNLESS OTHERWISE NOTED.
4.

ALL SINGLE CATCHPIT LEADS ARE CLASS 4 RCRRJ 225mm Ø AND ALL DOUBLE CATCHPIT LEADS ARE CLASS 4 RCRRJ 300mm Ø UNLESS OTHERWISE NOTED.
5.

PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
6.

ALL BELOW GROUND ALIGNMENT OF LATERAL LOT CONNECTIONS AND POSITION OF SADDLE CONNECTIONS OF CATCHPITS ON THE MAIN LINES WAS COMPLETED BY ROSS REID CONTRACTORS.
7.

LEVELS ARE IN TERMS OF THE MOTURIKI DATUM 1953.
8.

ALL CO-ORDINATES ARE IN TERMS OF NZTM.
9.

ALL LOT CONNECTION PIPES ARE 100mmØ u-PVC SN16.

CERTIFICATION

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RELEVANT CONSENT NUMBERS:  
SUB0340/18.02 & LUC0137/19

ASBUILT

REV DESCRIPTION		BY	APPVD	DATE	PROJECT		CLIENT		PURPOSE		
					LAKESIDE, TE KAUWHATA		LAKESIDE DEVELOPMENTS 2017 LIMITED		AS-BUILT		
					STORMWATER LAYOUT STAGE 4				DESIGN JS	APPROVED NH	SCALE 1:750 @ A3
					3 OF 3				DRAWN JS	BY NH	
									CHECK RS	DATE SEP 2020	
									PROJECT NO. DRAWING NO. REV.		
									1239 AB-4-102 -		

	PIT ID	NORTHING	EASTING	LID LEVEL	MH Ø(mm)
1	11/2	5857109.99	1790509.27	7.70	1050
2	11/1	5857079.18	1790530.76	7.50	1050
3	10/2	5857080.15	1790545.91	7.47	1500
4	10/3	5857067.21	1790542.64	7.55	1800
5	10/4	5857052.44	1790560.98	7.66	1050
6	10/5	5857031.50	1790599.64	7.92	1200
7	10/6	5857027.51	1790600.44	7.92	1500
8	10/7	5857020.47	1790596.42	7.74	1050
9	10/8	5857001.16	1790585.33	7.84	1050
10	10/9	5856956.27	1790575.06	8.05	1050
11	10/10	5856908.99	1790564.71	8.31	1050
12	12/1	5857060.85	1790537.99	7.41	1200
13	12/2	5857037.09	1790518.39	8.43	1050
14	12/3	5857014.61	1790508.38	9.15	1500
15	12/4	5856932.15	1790495.65	10.19	1050
16	CP11-1	5857065.58	1790524.86	7.47	-
17	DCP11-2	5857072.37	1790530.92	7.42	-
18	DCP10-1	5857076.36	1790535.37	7.41	-
19	CP10-2	5857058.50	1790545.81	7.49	-
20	CP10-3	5857063.00	1790550.06	7.52	-
21	DCP12-2	5857061.62	1790533.01	7.28	-
22	DCP12-1	5857060.71	1790532.33	7.29	-
23	CP12-4	5857011.80	1790503.42	9.15	-
24	CP12-3	5857012.69	1790509.47	9.09	-
25	DCP10-4	5857021.96	1790592.42	7.63	-
26	DCP10-5	5857019.43	1790597.66	7.66	-
27	CP10-7	5856956.21	1790570.86	8.00	-
28	CP10-6	5856953.18	1790575.76	7.99	-
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RELEVANT CONSENT NUMBERS:  
SUB0340/18.02 & LUC0137/19

ASBUILT

## CERTIFICATION

I CERTIFY THAT THESE ASBUILT 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  $\pm 0.10\text{m}$ .
- THE LEVELS (Z) ARE IN TERMS OF THE MOTURIKI DATUM 1953, AND ARE WITHIN  $\pm 0.01\text{m}$ .

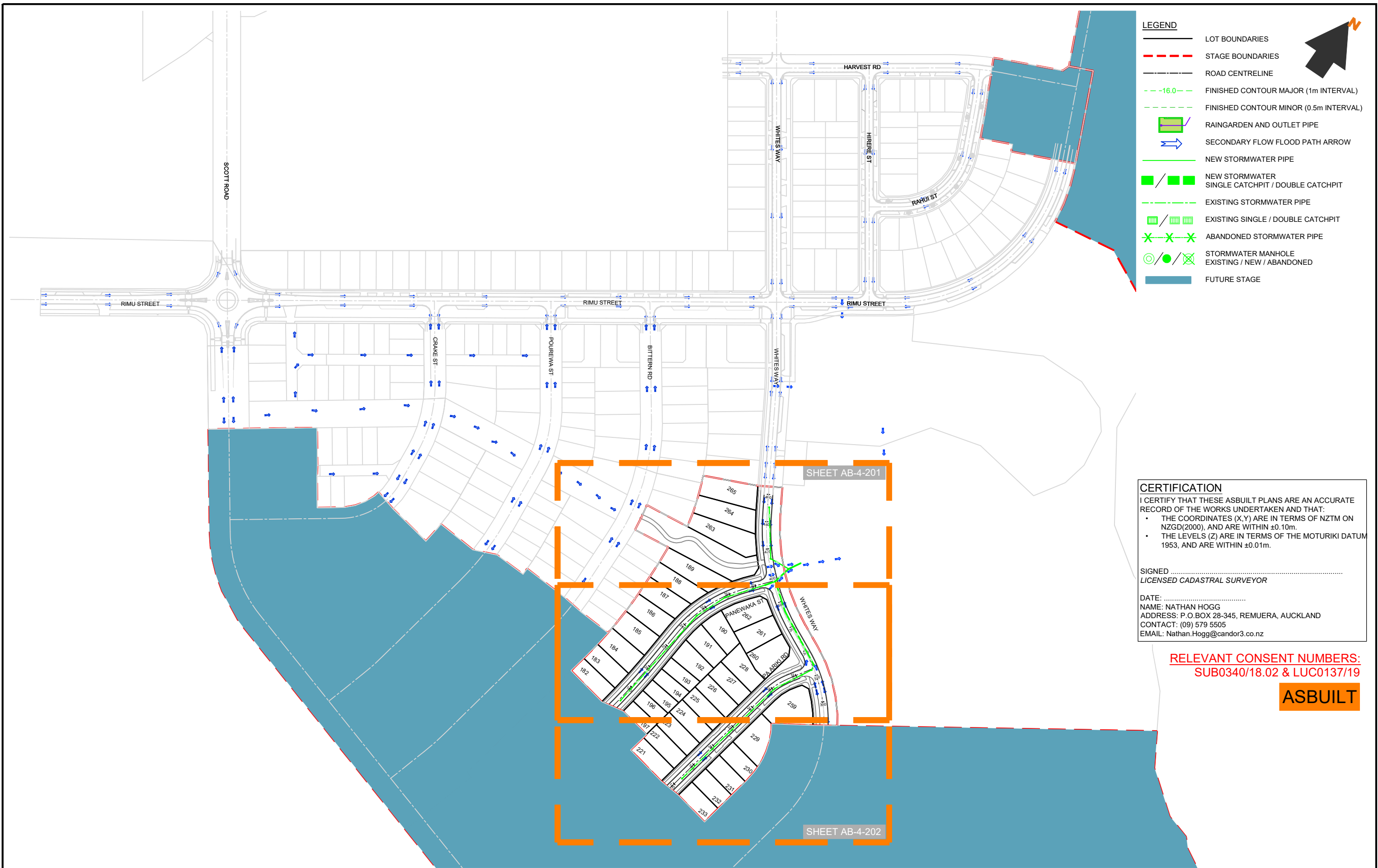
SIGNED .....  
LICENSED CADASTRAL SURVEYOR

DATE: .....  
NAME: NATHAN HOGG  
ADDRESS: P.O.BOX 28-345, REMUERA, AUCKLAND  
CONTACT: (09) 579 5505  
EMAIL: Nathan.Hogg@candor3.co.nz

NOTES:

1. SADDLE CONNECTION 'LID LEVEL' SHOWN IN THE COORDINATE TABLE IS THE OBVERT OF THE PIPE AS THERE IS NO LID.
2. COORDINATES PROVIDED IN THE TABLE FOR DOUBLE CATCHPITS IS THE CENTRE POINT OF THE DOUBLE CATCHPIT.
3. THE COORDINATES (X, Y) ARE IN TERMS OF NZTM ON NZGD(2000) AND ARE WITHIN  $\pm 0.10\text{m}$ .
4. THE LEVELS (Z) ARE IN TERMS OF THE MOTURIKI DATUM 1953, AND ARE WITHIN  $0.01\text{m}$ .

REV	DESCRIPTION	BY	APPVD	DATE	PROJECT	CLIENT	PURPOSE
					LAKESIDE, TE KAUWHATA STORMWATER LAYOUT STAGE 4 STORMWATER COORDINATES	LAKESIDE DEVELOPMENTS 2017 LIMITED	AS-BUILT
							DESIGN JS DRAWN JS CHECK RS
							APPROVED BY NH DATE SEP 2020
							SCALE N/A
							PROJECT NO. 1239
							DRAWING NO. AB-4-103
							REV. -



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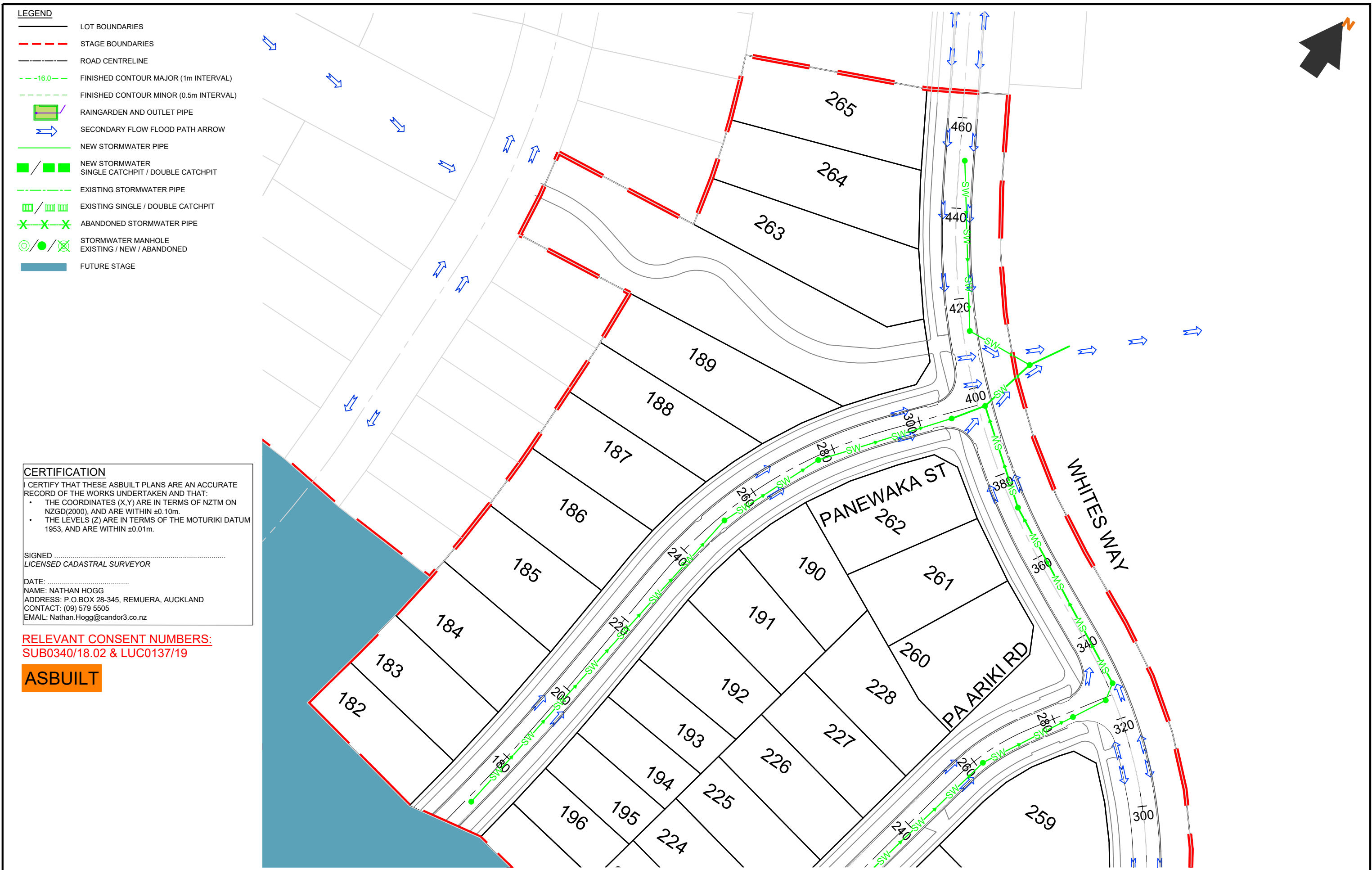
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SUB0340/18.02 & LUC0137/19

ASBUILT

REV DESCRIPTION		BY	APPVD	DATE	PROJECT		CLIENT		PURPOSE		
					LAKESIDE, TE KAUWHATA		LAKESIDE		AS-BUILT		
					STORMWATER OVERLAND FLOW PATH STAGE 4		DEVELOPMENTS 2017		DESIGN JS	APPROVED BY NH	SCALE 1:2500 @ A3
					1 OF 3		LIMITED		DRAWN JS	DATE SEP 2020	
									CHECK RS		
									PROJECT NO.	DRAWING NO.	REV.
									1239	AB-4-200	-





- LEGEND**
- LOT BOUNDARIES
  - STAGE BOUNDARIES
  - ROAD CENTRELINE
  - FINISHED CONTOUR MAJOR (1m INTERVAL)
  - FINISHED CONTOUR MINOR (0.5m INTERVAL)
  - RAINGARDEN AND OUTLET PIPE
  - SECONDARY FLOW FLOOD PATH ARROW
  - NEW STORMWATER PIPE
  - NEW STORMWATER SINGLE CATCHPIT / DOUBLE CATCHPIT
  - EXISTING STORMWATER PIPE
  - EXISTING SINGLE / DOUBLE CATCHPIT
  - ABANDONED STORMWATER PIPE
  - STORMWATER MANHOLE EXISTING / NEW / ABANDONED
  - FUTURE STAGE

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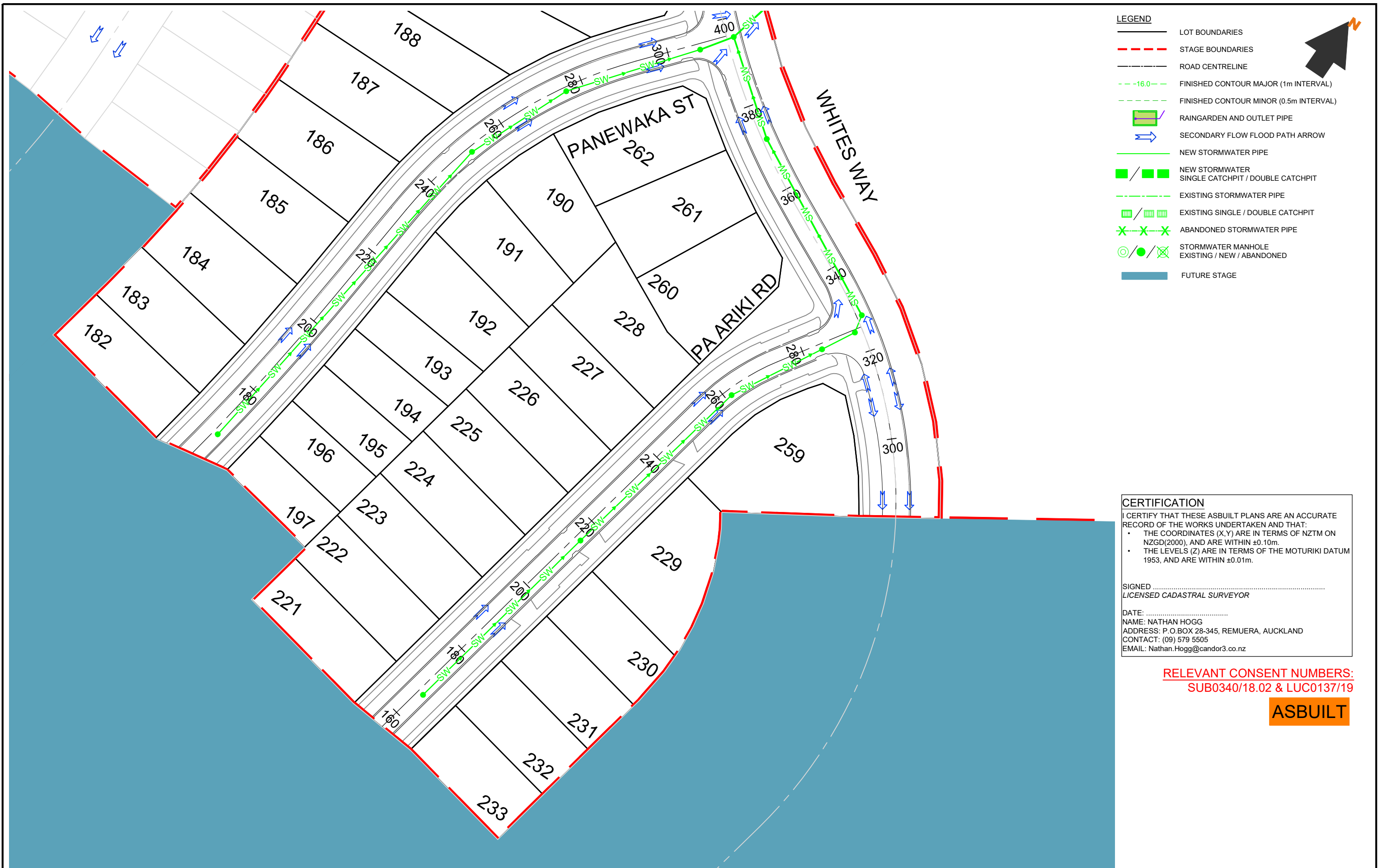
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**ASBUILT**

REV DESCRIPTION		BY	APPVD	DATE	PROJECT		CLIENT		PURPOSE		
					LAKESIDE, TE KAUWHATA		LAKESIDE DEVELOPMENTS 2017 LIMITED		AS-BUILT		
					STORMWATER OVERLAND FLOW PATH STAGE 4				DESIGN JS	APPROVED BY NH	SCALE 1:750 @ A3
					2 OF 3				DRAWN JS	DATE SEP 2020	
									CHECK RS		
									PROJECT NO.	DRAWING NO.	REV.
									1239	AB-4-201	-



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RELEVANT CONSENT NUMBERS:  
SUB0340/18.02 & LUC0137/19

ASBUILT

REV DESCRIPTION BY APPVD DATE			PROJECT LAKESIDE, TE KAUWHATA STORMWATER OVERLAND FLOW PATH STAGE 4 3 OF 3		CLIENT LAKESIDE DEVELOPMENTS 2017 LIMITED		PURPOSE AS-BUILT		
<div>Candor<sup>3</sup> ENGINEERING FOR LIFE</div>							DESIGN JS DRAWN JS CHECK RS	APPROVED BY NH DATE SEP 2020	SCALE 1:750 @ A3
							PROJECT NO. 1239	DRAWING NO. AB-4-202	REV. -