

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**
- 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

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.

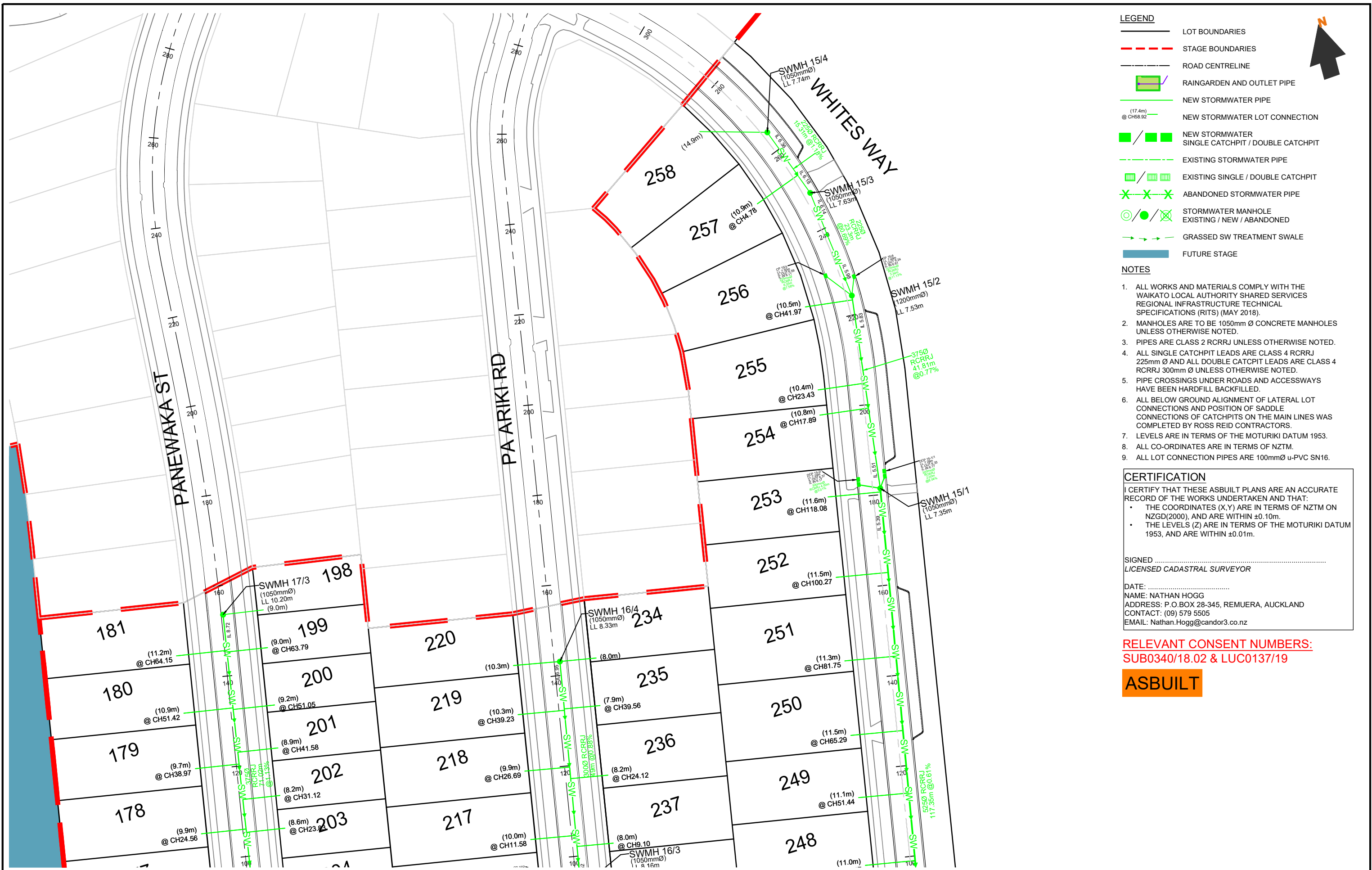
SIGNED
LICENSED CADASTRAL SURVEYOR

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 LAKESIDE, TE KAUWHATA STORMWATER LAYOUT STAGE 5 1 OF 6	CLIENT LAKESIDE DEVELOPMENTS 2017 LIMITED	PURPOSE AS-BUILT			
<div>Candor³ ENGINEERING FOR LIFE</div>							DESIGN JS	APPROVED	SCALE	
							DRAWN JS	BY NH	1:2500 @ A3	
							CHECK AP	DATE DEC 2020		
					PROJECT NO.	DRAWING NO.	REV.			
					1239	AB-4-100	-			



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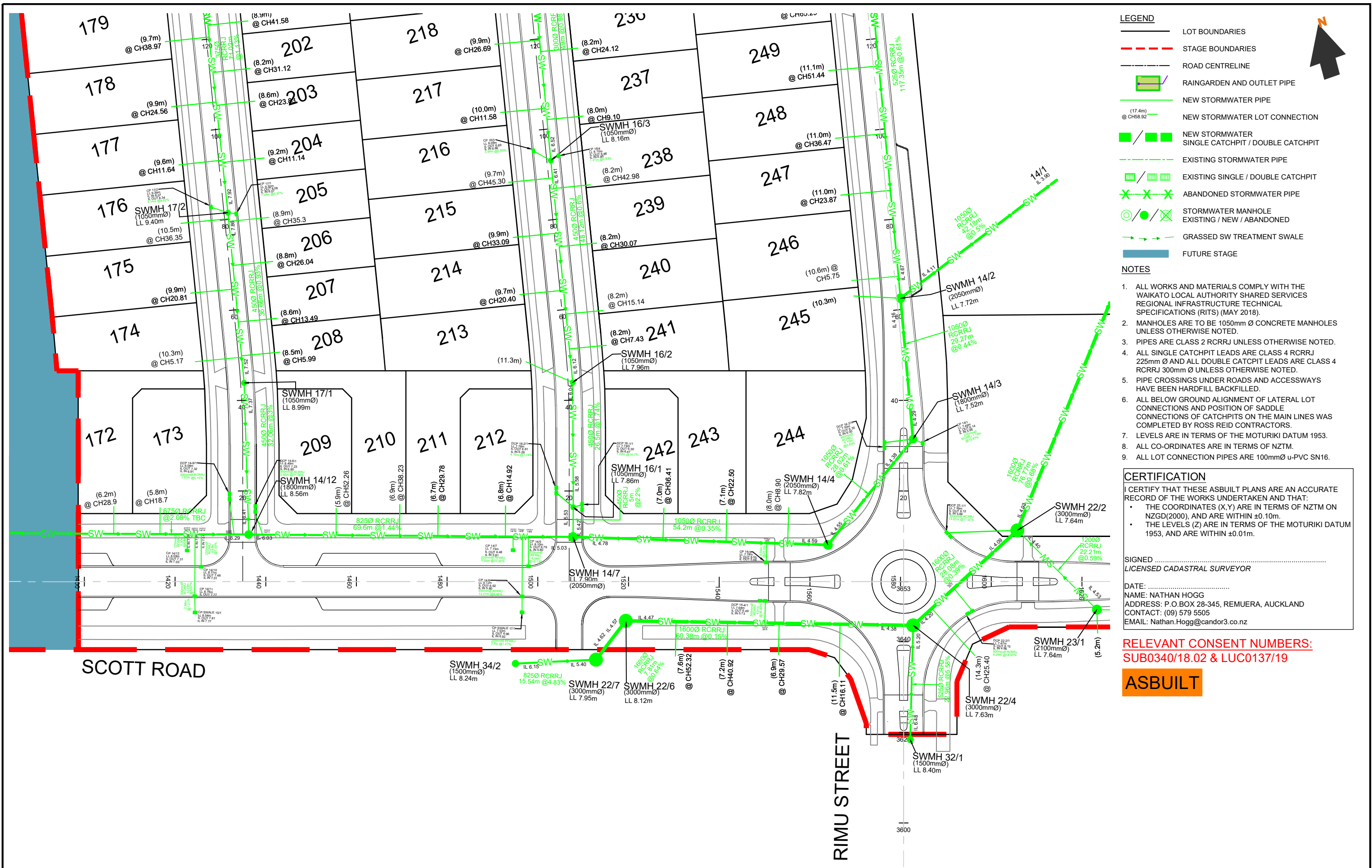
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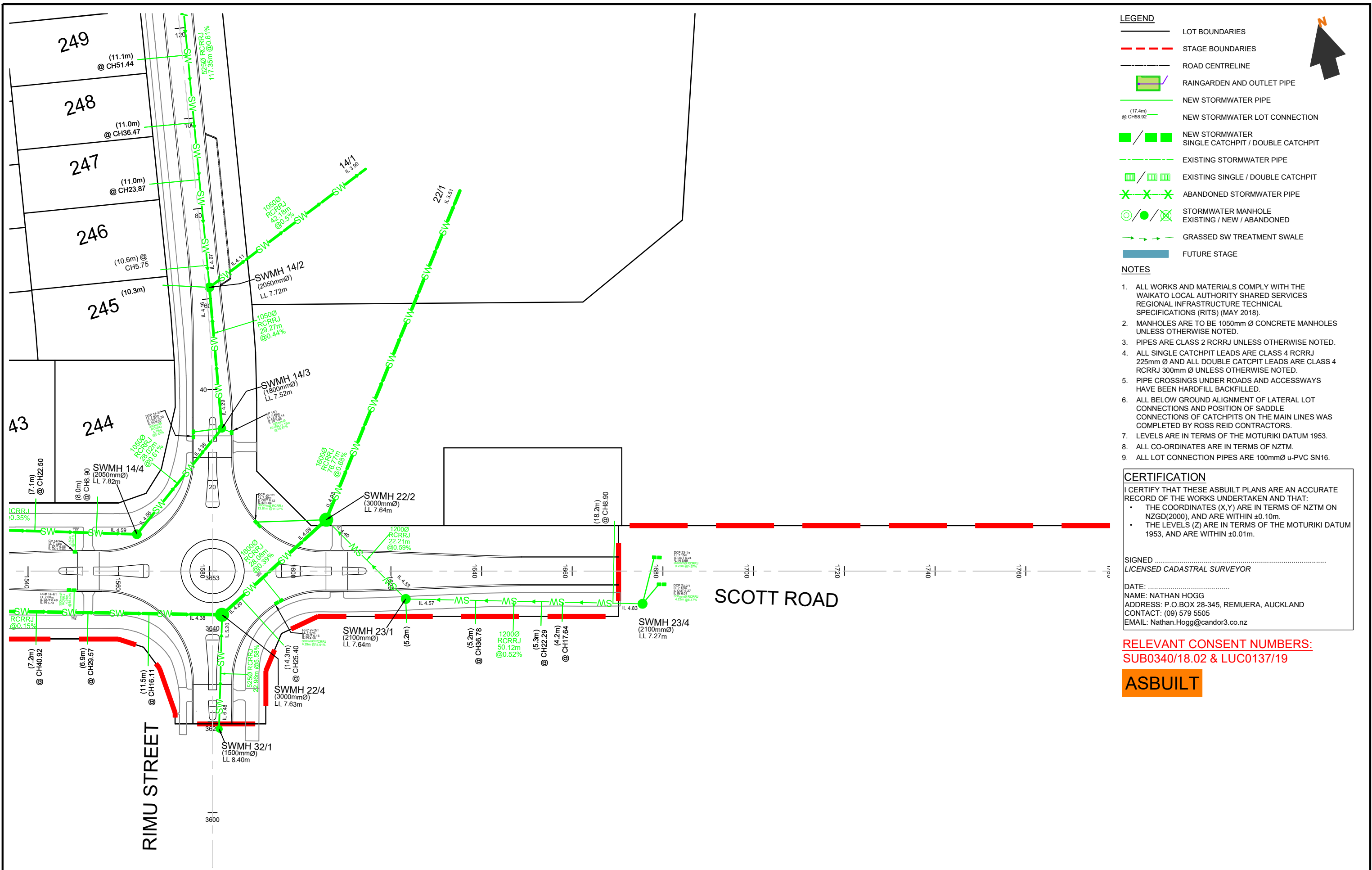
RELEVANT CONSENT NUMBERS:
SUB0340/18.02 & LUC0137/19

ASBUILT

REV DESCRIPTION		BY	APPVD	DATE	PROJECT		CLIENT		PURPOSE		
					LAKESIDE, TE KAUPHATA		LAKESIDE DEVELOPMENTS 2017 LIMITED		AS-BUILT		
					STORMWATER LAYOUT STAGE 5				DESIGN JS	APPROVED BY NH	SCALE 1:750 @ A3
					2 OF 6				DRAWN JS	DATE DEC 2020	
									CHECK AP		
									PROJECT NO.	DRAWING NO.	REV.
									1239	AB-4-101	-



REV DESCRIPTION		BY	APPVD	DATE	PROJECT		CLIENT		PURPOSE		
					LAKESIDE, TE KAUPHATA		LAKESIDE DEVELOPMENTS 2017 LIMITED		AS-BUILT		
					STORMWATER LAYOUT STAGE 5				DESIGN JS	APPROVED BY NH	SCALE 1:750 @ A3
					3 OF 6				DRAWN JS	DATE DEC 2020	
									CHECK AP		
									PROJECT NO.	DRAWING NO.	REV.
									1239	AB-4-102	-



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- EXISTING STORMWATER PIPE
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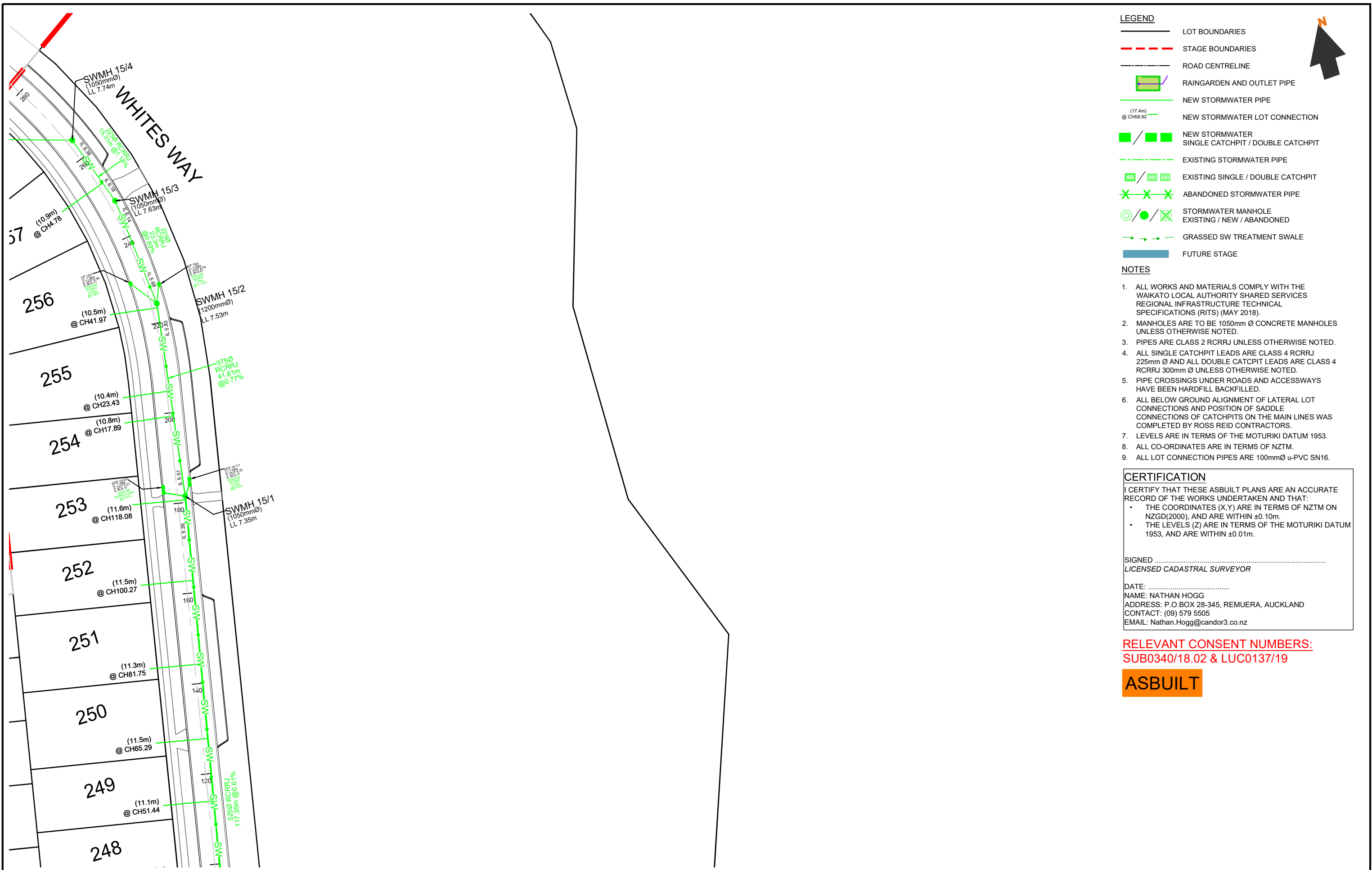
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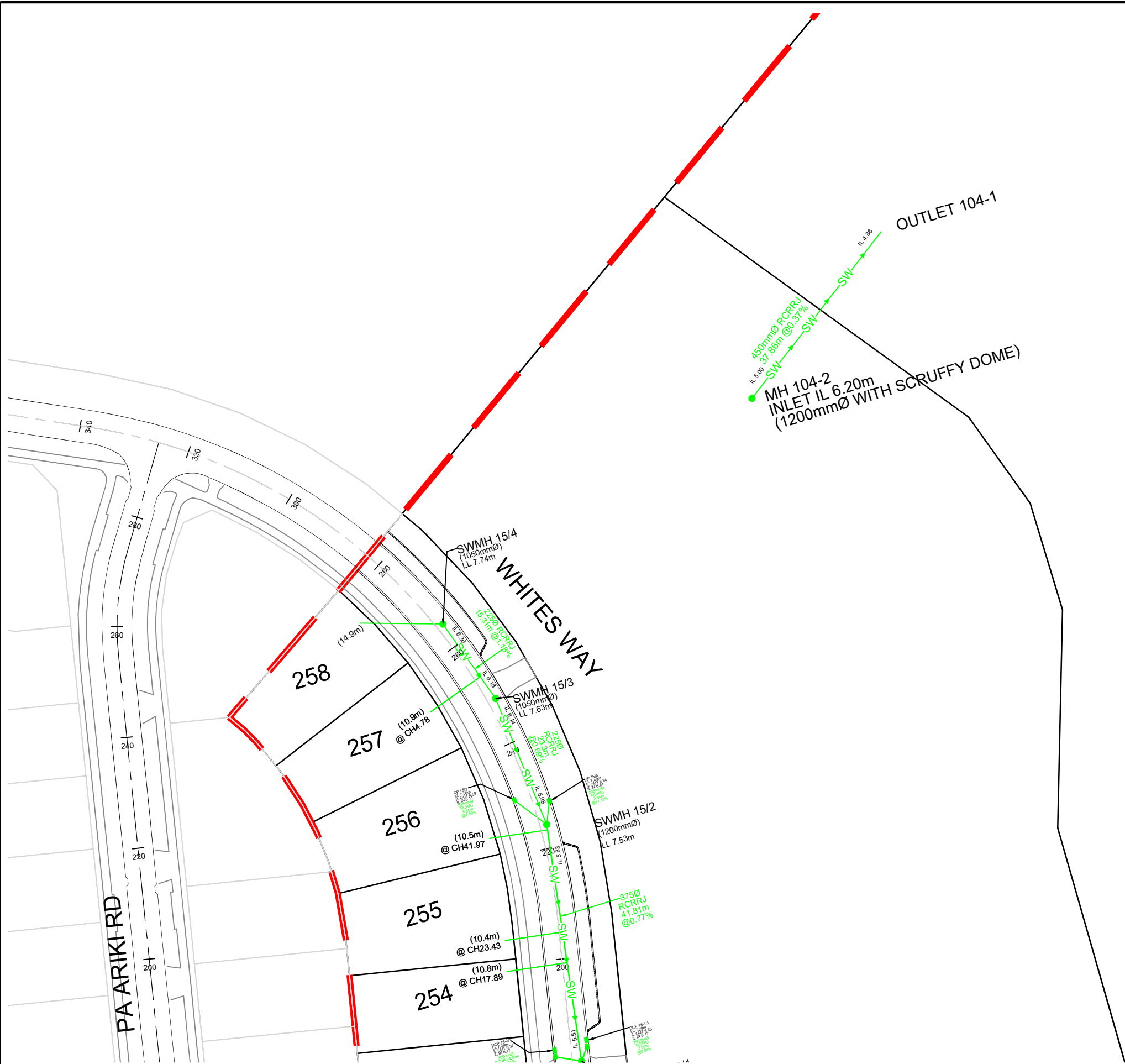
RELEVANT CONSENT NUMBERS:
SUB0340/18.02 & LUC0137/19

ASBUILT

REV	DESCRIPTION	BY	APPVD	DATE	PROJECT	CLIENT	PURPOSE
					LAKESIDE, TE KAUPHATA STORMWATER LAYOUT STAGE 5 4 OF 6	LAKESIDE DEVELOPMENTS 2017 LIMITED	AS-BUILT
							DESIGN JS DRAWN JS CHECK AP
							APPROVED BY NH DATE DEC 2020
							SCALE 1:750 @ A3
							PROJECT NO. 1239
							DRAWING NO. AB-4-103
							REV. -



REV DESCRIPTION		BY	APPVD	DATE	<div>Candor³</div> <div>ENGINEERING FOR LIFE</div>	PROJECT <div>LAKESIDE, TE KAUWHATA</div> <div>STORMWATER LAYOUT STAGE 5</div> <div>5 OF 6</div>	CLIENT <div>LAKESIDE DEVELOPMENTS 2017</div> <div>LIMITED</div>	PURPOSE <div>AS-BUILT</div>		
DESIGN	JS							DESIGN	JS	APPROVED
DRAWN	JS									BY NH
CHECK	AP									DATE DEC 2020
PROJECT NO.		DRAWING NO.		REV.						
1239		AB-4-104		-						



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.

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ASBUILT

REV DESCRIPTIONBY APPVD DATE			PROJECT		CLIENT		PURPOSE		
			LAKESIDE, TE KAUPHATA		LAKESIDE		AS-BUILT		
			STORMWATER LAYOUT STAGE 5		DEVELOPMENTS 2017		DESIGN JS	APPROVED BY NH	SCALE 1:750 @ A3
			6 OF 6		LIMITED		DRAWN JS	DATE DEC 2020	
							CHECK AP		
							PROJECT NO.	DRAWING NO.	REV.
							1239	AB-4-105	-

PIT ID	NORTHING	EASTING	LID LEVEL	MH Ø(mm)
14-1	5856798.43	1790653.74	-	OUTLET
SWMH 14-2	5856784.16	1790612.40	7.72	2050
SWMH 14-3	5856753.76	1790605.37	7.52	1800
SWMH 14-4	5856737.39	1790580.29	7.82	2050
SWMH 14-7	5856756.52	1790527.38	7.90	2050
SWMH 14-12	5856779.23	1790459.55	8.56	1800
SWMH 15-1	5856900.14	1790638.63	7.35	1050
SWMH 15-2	5856942.47	1790645.86	7.53	1200
SWMH 15-3	5856966.84	1790644.16	7.63	1050
SWMH 15-4	5856982.46	1790639.31	7.74	1050
SWMH 16-1	5856762.72	1790529.48	7.86	1050
SWMH 16-2	5856788.95	1790537.91	7.96	1050
SWMH 16-3	5856836.97	1790548.51	8.16	1050
SWMH 16-4	5856885.77	1790559.61	8.33	1050
SWMH 17-1	5856811.35	1790468.99	8.99	1050
SWMH 17-2	5856848.14	1790477.25	9.40	1050
SWMH 17-3	5856918.66	1790492.19	10.20	1050
22-1	5856787.64	1790671.87	-	OUTLET
SWMH 22-2	5856727.47	1790620.98	7.64	3000
SWMH 22-2	5856727.47	1790620.98	7.64	3000
SWMH 22-4	5856714.68	1790592.65	7.63	3000
SWMH 22-6	5856735.31	1790532.70	8.12	3000
SWMH 22-7	5856729.21	1790523.79	7.95	3000
SWMH 23-1	5856705.41	1790632.24	7.64	2100
SWMH 23-4	5856688.19	1790681.55	7.27	2100
SWMH 32-1	5856690.96	1790584.21	8.40	1500
SWMH 33-1	5856682.24	1790588.55	8.93	1050
SWMH 34-2	5856733.91	1790506.65	8.24	1500
MH 104-2	5857003.75	1790704.65	6.20	1200

PIT ID	NORTHING	EASTING	LID LEVEL	MH Ø(mm)
CP 14-1	5856752.21	1790607.12	7.49	-
CP 14-10	5856775.72	1790447.38	8.77	-
CP 14-11	5856769.98	1790444.02	8.78	-
CP 14-12	5856780.10	1790445.55	8.59	-
DCP 14-2-1	5856754.95	1790599.14	7.50	-
DCP 14-2-2	5856753.91	1790598.79	7.49	-
CP 14-3	5856737.96	1790566.13	7.74	-
DCP 14-4-1	5856729.98	1790563.27	7.68	-
DCP 14-4-2	5856730.29	1790562.28	7.70	-
CP 14-5	5856753.42	1790516.03	8.10	-
CP 14-6	5856747.53	1790512.63	8.12	-
CP 14-7	5856757.84	1790513.93	7.73	-
DCP 14-8-1	5856783.71	1790462.56	8.49	-
DCP 14-8-2	5856784.58	1790462.85	8.50	-
DCP 14-9-1	5856788.08	1790458.02	8.58	-
DCP 14-9-2	5856788.99	1790458.32	8.62	-
DCP 15-1-1	5856902.34	1790640.39	7.29	-
DCP 15-1-2	5856903.47	1790640.64	7.29	-
DCP 15-2-1	5856902.36	1790634.35	7.29	-
DCP 15-2-2	5856903.53	1790634.62	7.28	-
CP 15-3	5856948.39	1790641.70	7.50	-
CP 15-4	5856946.31	1790647.63	7.49	-
DCP 16-1-1	5856762.64	1790531.50	7.74	-
DCP 16-1-2	5856761.72	1790531.19	7.75	-
DCP 16-2-1	5856766.96	1790526.90	7.76	-
DCP 16-2-2	5856767.84	1790527.23	7.76	-
CP 16-3	5856840.16	1790545.54	8.09	-
CP 16-4	5856837.46	1790550.48	8.10	-
CP 17-1	5856847.31	1790478.91	9.30	-
CP 17-2	5856850.47	1790474.05	9.39	-
DCP 22-1-1	5856731.79	1790606.07	7.39	-
DCP 22-1-2	5856730.79	1790606.56	7.39	-
DCP 22-2-1	5856713.62	1790605.98	7.47	-
DCP 22-2-2	5856713.39	1790604.92	7.49	-
DCP 23-1-1	5856697.14	1790687.17	7.15	-
DCP 23-1-2	5856696.77	1790688.26	7.13	-
DCP 23-2-1	5856691.12	1790686.27	7.18	-
DCP 23-2-2	5856690.79	1790687.43	7.18	-
CP SWALE 15-1	5856766.55	1790442.99	8.54	-
CP SWALE 17-1	5856744.20	1790511.54	7.53	-

PIT ID	NORTHING	EASTING	LID LEVEL	MH Ø(mm)
SWMH 14-14	5856782.54	1790449.62		SADDLE CON
SWMH 14-15	5856782.97	1790448.33		SADDLE CON
SWMH 14-16	5856783.51	1790446.69		SADDLE CON
SWMH 14-5	5856741.98	1790567.59		SADDLE CON
SWMH 14-11	5856778.26	1790462.47		SADDLE CON
SWMH 14-13	5856780.25	1790456.50		SADDLE CON
SWMH 14-8	5856759.63	1790518.07		SADDLE CON
SWMH 14-9	5856760.07	1790516.78		SADDLE CON
SWMH 14-10	5856760.71	1790514.85		SADDLE CON
SWMH 22-5	5856725.33	1790561.72		SADDLE CON
SWMH 22-3	5856719.67	1790603.70		SADDLE CON

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DESIGN JS DRAWN JS CHECK AP						APPROVED BY NH DATE DEC 2020	SCALE N/A	
PROJECT NO.						DRAWING NO.	REV.	
1239						AB-4-106	-	