

A	AS BUILT ISSUE	ATS	16.02.06
REF	AMENDMENT	BY	DATE

PROJECT:

**CARRUS LIMITED  
AOTEA BLOCK - PORIRUA  
STAGE 4A & 4B**

TITLE:

**STAGE 4 A & B  
ASBUILT CUT/FILL CONTOURS**

DESIGNED:	DATE:	SIGNATURE:	PLOT DATE:	16.02.06
DRAWN:	DATE:	SIGNATURE:	CAD REF:	000632-4A-AB200-202
PWJ	02/2006		CAD XREF:	
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:	
SIK	02/2006		SURVEY DATE:	
APPROVED:	DATE:	SIGNATURE:	SDR REF:	
PWMW	02/2006			

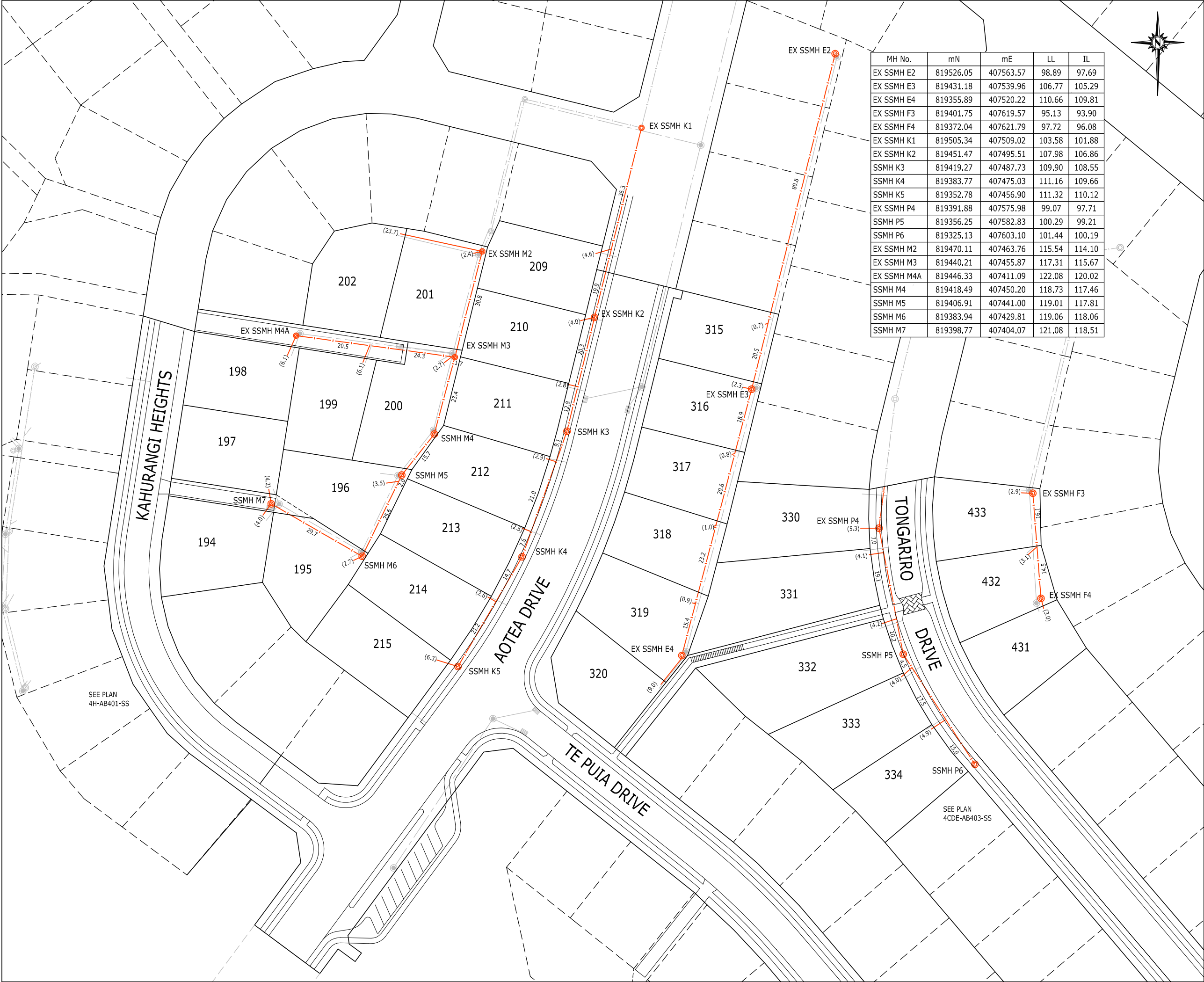
PLOT STATUS:


**ISSUE A**

PROJECT No:	SCALES:	1:500 1:1000 (A3)	A1
DRAWING No:			REV

**000632-4A-AB201**

**A**





ASSOCIATION OF CONSULTING  
ENGINEERS NEW ZEALAND


ISO 9001  
QUALITY  
ASSURED

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**NOTE:**

- All house connections are 100mm dia uPVC.
- All sewer main pipes are 150mm dia uPVC unless shown otherwise.
- All positions and levels are accurate at time of survey.
- Levels are in terms of Wellington Vertical Datum 1953.  
(Origin of levels: BMLB51 SD 31708, RL = 2.936m)
- Coordinates are in terms of NZGD2000 - Wellington Circuit.


**LEGEND**




STORMWATER LINE




STORMWATER MANHOLE




STORMWATER CONNECTION




SUMP




SUPERPITT




SEWER LINE




SEWER MANHOLE



SEWER CONNECTION



EXISTING SEWER LINE



EXISTING SEWER MANHOLE

**NOTE:**

THIS PLAN PART SUPERSEDES DRAWING NO. 000632-4A-AB400.

WARNING: Levels, locations and dimensions of drainage services shown on these plans may not be accurate due to circumstances not notified to Harrison Grierson Consultants Ltd. A physical check should be made on all levels, locations and dimensions before starting design or works.



**HARRISON  
GRIERSON**

CONSULTING ENGINEERS SURVEYORS PLANNERS

Level 16 Grand Plimmer Tower 2-6 Gilmer Terrace Wellington Ph 04 385 0005 Fax 04 385 0006

PROJECT:

**CARRUS LIMITED  
AOTEA BLOCK - PORIRUA  
STAGE 4A & 4B**

TITLE:

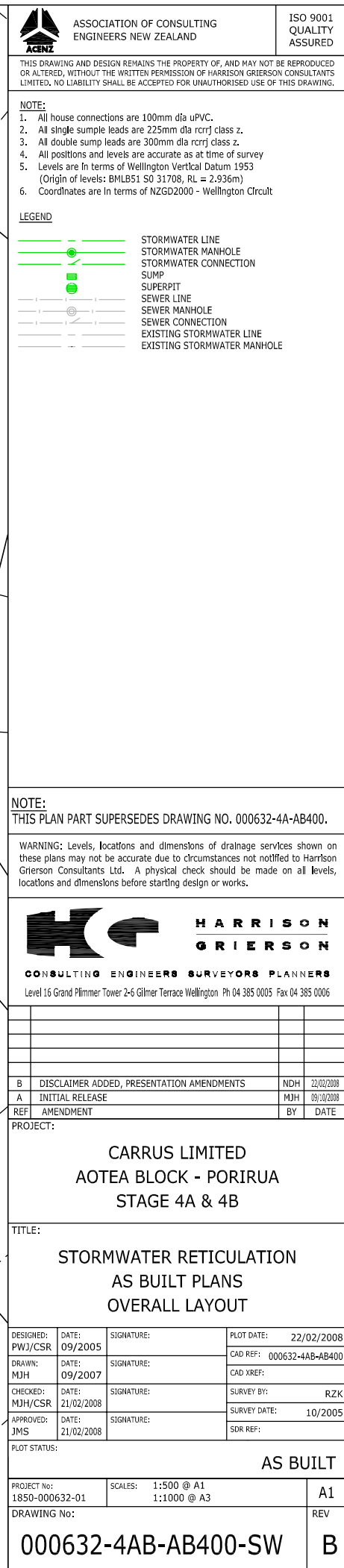
**SANITARY SEWER RETICULATION  
AS BUILT PLANS  
OVERALL LAYOUT**

PLOT STATUS:

**AS BUILT**

**000632-4AB-AB401-SS**

**B**







The information shown on this plan is not to be used for house design purposes. Contours shown are not of sufficient accuracy for house design. Contact Harrison Grierson Survey Consultants for site specific plans.

 **HARRISON  
GRIERSON**

CONSULTING ENGINEERS SURVEYORS PLANNERS

Ground Floor 17 Pyne Street Whakatane Ph 07 308 5478 Fax 07 308 4907

B	DISCLAIMER ADDED	LRC	10/06
A	AS BUILT ISSUE	ATS	16.02.06
REF	AMENDMENT	BY	DATE

PROJECT:

CARRUS LIMITED  
AOTEA BLOCK - PORIRUA  
STAGE 4A & 4B

TITLE:

STAGE 4 A & B  
ASBUILT SUBGRADE CONTOURS

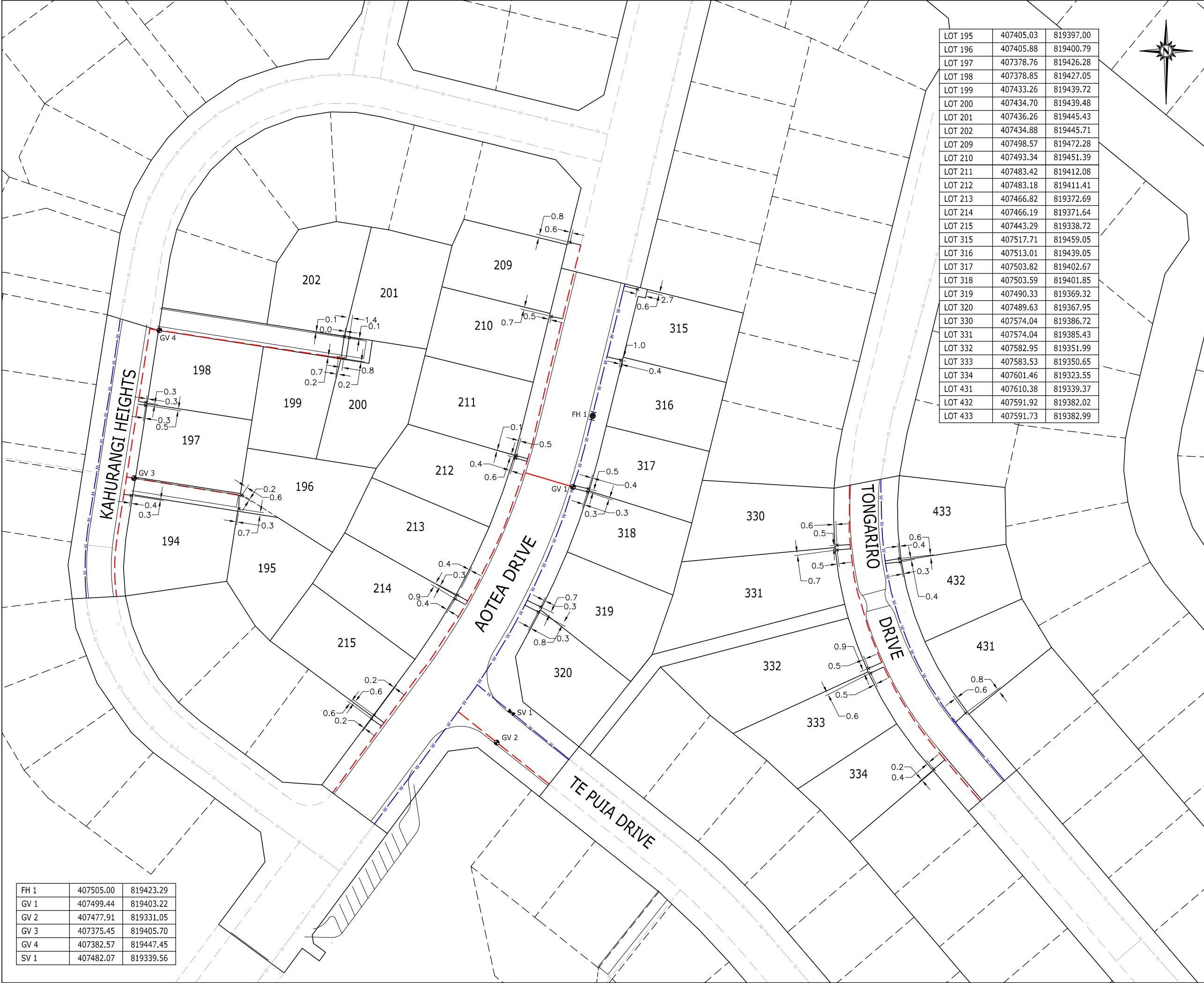
DESIGNED:	DATE:	SIGNATURE:	PLOT DATE:	16.02.06
DRAWN:	DATE:	SIGNATURE:	CAD REF:	000632-4A-AB200-202
CHECKED:	DATE:	SIGNATURE:	CAD XREF:	
APPROVED:	DATE:	SIGNATURE:	SURVEY BY:	
PWMW	02/2006		SURVEY DATE:	
			SDR REF:	

PLOT STATUS:

ISSUE A


PROJECT No:	1850-000632-01	SCALES:	1:500 1:1000 (A3)	A1
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DRAWING No:	000632-4A-AB200	REV	B
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FH 1	407505.00	819423.29
GV 1	407499.44	819403.22
GV 2	407477.91	819331.05
GV 3	407375.45	819405.70
GV 4	407382.57	819447.45
SV 1	407482.07	819339.56

LOT 195	407405.03	819397.00
LOT 196	407405.88	819400.79
LOT 197	407378.76	819426.28
LOT 198	407378.85	819427.05
LOT 199	407433.26	819439.72
LOT 200	407434.70	819439.48
LOT 201	407436.26	819445.43
LOT 202	407434.88	819445.71
LOT 209	407498.57	819472.28
LOT 210	407493.34	819451.39
LOT 211	407483.42	819412.08
LOT 212	407483.18	819411.41
LOT 213	407466.82	819372.69
LOT 214	407466.19	819371.64
LOT 215	407443.29	819338.72
LOT 315	407517.71	819459.05
LOT 316	407513.01	819439.05
LOT 317	407503.82	819402.67
LOT 318	407503.59	819401.85
LOT 319	407490.33	819369.32
LOT 320	407489.63	819367.95
LOT 330	407574.04	819386.72
LOT 331	407574.04	819385.43
LOT 332	407582.95	819351.99
LOT 333	407583.53	819350.65
LOT 334	407601.46	819323.55
LOT 431	407610.38	819339.37
LOT 432	407591.92	819382.02
LOT 433	407591.73	819382.99




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LEGEND:




GATE VALVE




SLUICE VALVE




FIRE HYDRANT




WATER TOBY




150mmØ PVC WATERMAIN



50mmØ MDPE RIDERMAIN



WATER/RIDERMAIN IN OTHER STAGE




RIDERMAIN IN OTHER STAGE

NOTES:

1. All Dimensions are shown in metres unless otherwise stated.

This drawing supercedes drawing number 000632-4A-AB600.

WARNING: Levels, locations and dmsions of water services shown on these plans may not be accurate due to circumstances not notified to Harrlson Grierson Consultants Ltd. A physical check should be made on all levels, locations and dimensions before starting design or works.



HARRISON  
GRIERSON

CONSULTING ENGINEERS SURVEYORS PLANNERS

Level 16 Grand Plimmer Tower 2-6 Gilmer Terrace Wellington Ph 04 385 0005 Fax 04 385 0006

A	INITIAL RELEASE	JMS	30/01/2008
REF	AMENDMENT	BY	DATE

PROJECT:

CARRUS LIMITED  
AOTEA BLOCK - PORIRUA  
STAGE 4A & 4B

TITLE:

WATER AS-BUILTS  
LAYOUT PLAN

DESIGNED:	DATE:	SIGNATURE:	PLOT DATE:
PWJ/CSR	09/2005		30/01/2008
DRAWN:	DATE:	SIGNATURE:	CAD REF:
NDH	12/2007		
CHECKED:	DATE:	SIGNATURE:	CAD XREF:
CSR	15/01/2008		
APPROVED:	DATE:	SIGNATURE:	SURVEY BY:
JMS	30/01/2008		RZK
			SURVEY DATE:
			10/2005
			SDR REF:

PLOT STATUS:

AS BUILT

PROJECT No:	SCALES:		A1
1850-000632-01	1:500 @ A1 1:1000 @ A3		
DRAWING No:			REV

000632-4AB-AB500

A

J:\1850\000632\_a\cad\As Builts\Stage A,B\000632-4AB-AB500.dwg