



DISCLAIMER:
THE INFORMATION PORTRAYED ON THIS
PLAN IS INTENDED TO BE SOLELY USED AS
THE BASE DATA FOR THE PURPOSES OF 224c
APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND
PARTNERS CONSULTANTS ACCEPT NO
RESPONSIBILITY FOR ANY BUILDING DESIGN
OR CONSTRUCTION WORK BASED ON THIS
DRAWING FILE.

NOTES

1. CONTOURS ARE AT 0.5 METRE INTERVALS

LEGEND

- CONTOURS
- - - STAGE BOUNDARIES
- LOT BOUNDARIES
- TOP RETAINING WALL
- BOTTOM RETAINING WALL

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 NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum



Signed: Rowan Hallam
Registered Professional Surveyor

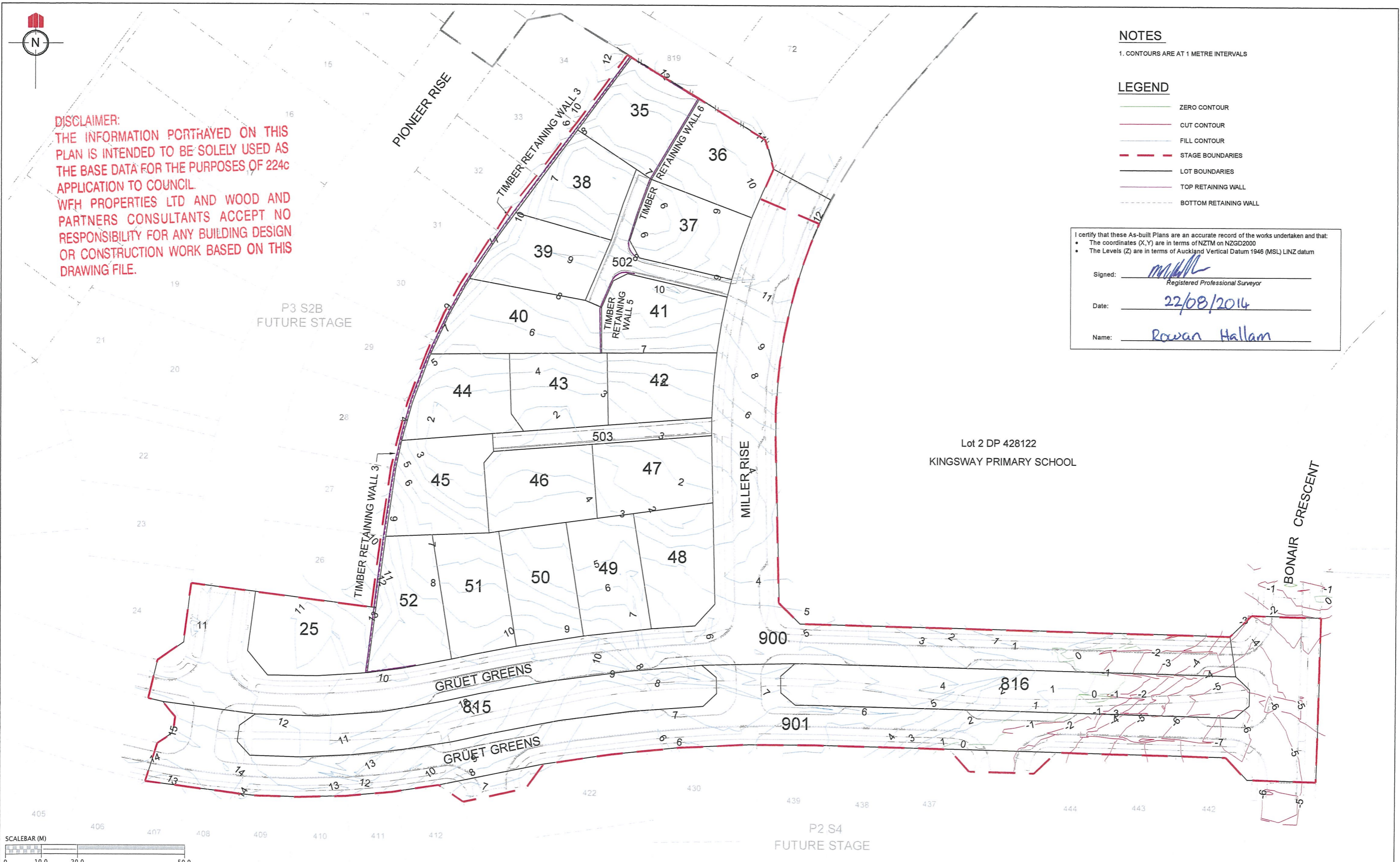
Date: 22/08/2014

Name: Rowan Hallam

Lot 2 DP 428122
KINGSWAY PRIMARY SCHOOL

BONAIR CRESCENT

REVISION DETAILS		NAME	DATE	CLIENT:	<div><div>WFH</div><div>PROPERTIES</div><div></div></div>	<div>MILLWATER – PRECINCT 3 STAGE 2A</div> <div>ASBUILT FINAL CONTOUR PLAN</div> <div>AUCKLAND COUNCIL</div>	<div><div></div><div>WOODS</div><div>Engineers. Surveyors. Planners.</div></div>	DESIGNED:		ASBUILT	
1. DRAWING ISSUED		AC	20/08/14	CHECKED:				DRAWN: AC			
				APPROVED:				SURVEYED: WOODS			
				JOB NUMBER: 33302 – P3 – 2A				SCALE: 1:1000 @ A3			
				ISSUED: AUG 2014							
				DWG. NO. 33302-2A-AB-100				REV. 1			



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NOTES

1. CONTOURS ARE AT 1 METRE INTERVALS

LEGEND

- ZERO CONTOUR
- CUT CONTOUR
- FILL CONTOUR
- STAGE BOUNDARIES
- LOT BOUNDARIES
- TOP RETAINING WALL
- BOTTOM RETAINING WALL

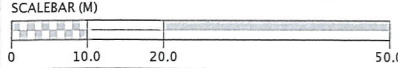
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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

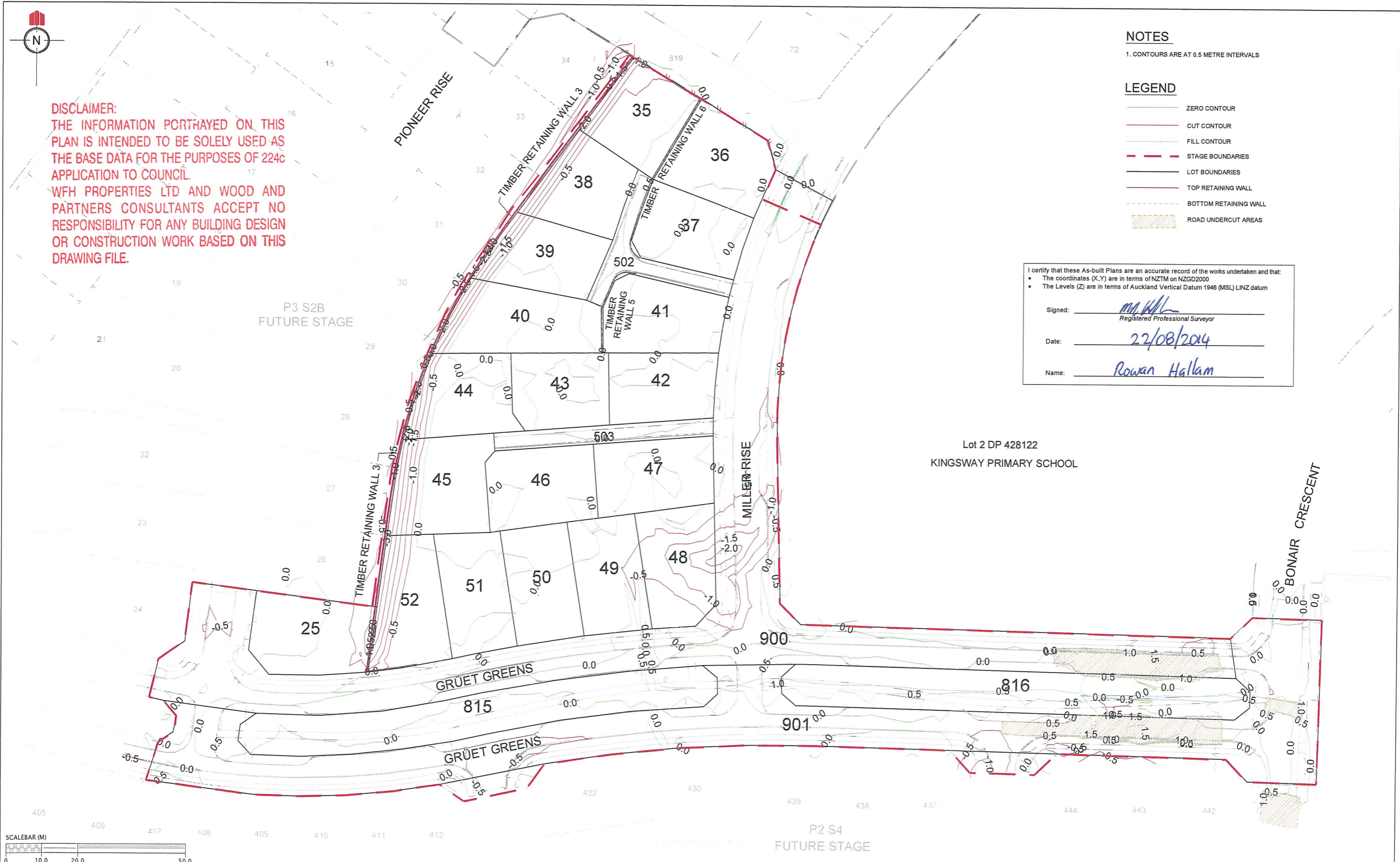
Signed: Rowan Hallam
Registered Professional Surveyor

Date: 22/08/2014

Name: Rowan Hallam



REVISION DETAILS		NAME	DATE	CLIENT:		<div>MILLWATER – PRECINCT 3 STAGE 2A</div> <div>ASBUILT – ORIGINAL SURFACE – EARTHWORK SURFACE, CUT/FILL CONTOUR PLAN</div> <div>AUCKLAND COUNCIL</div>		<div>WOODS</div> <div>Engineers. Surveyors. Planners.</div>		DESIGNED:		ASBUILT	
1. DRAWING ISSUED		AC	20/08/14	<div></div>						CHECKED:		DRAWN: AC	
								APPROVED:		SURVEYED: WOODS			
								JOB NUMBER: 33302 – P3 – 2A		SCALE: 1:1000 @ A3			
								ISSUED: AUG 2014					
								DWG. NO.		33302-2A-AB-120		REV. 1	



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- NOTES**
1. CONTOURS ARE AT 0.5 METRE INTERVALS
- LEGEND**
- ZERO CONTOUR
 - CUT CONTOUR
 - FILL CONTOUR
 - STAGE BOUNDARIES
 - LOT BOUNDARIES
 - TOP RETAINING WALL
 - BOTTOM RETAINING WALL
 - ROAD UNDERCUT AREAS

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 NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: MA WLL
Registered Professional Surveyor

Date: 22/08/2014

Name: Rowan Hallam

Lot 2 DP 428122
KINGSWAY PRIMARY SCHOOL

REVISION DETAILS		NAME	DATE	CLIENT:	<div>WFH P R O P E R T I E S</div> <div>MILLWATER – PRECINCT 3 STAGE 2A</div> <div>ASBUILT – EARTHWORK SURFACE – FINAL SURFACE, CUT/FILL CONTOUR PLAN</div> <div>AUCKLAND COUNCIL</div>		<div><div></div><div>WOODS</div><div>Engineers. Surveyors. Planners.</div></div>		DESIGNED:		ASBUILT	
1. DRAWING ISSUED		AC	20/08/14	CHECKED:					DRAWN: AC			
							APPROVED:		SURVEYED: WOODS			
							JOB NUMBER: 33302 – P3 – 2A		SCALE: 1:1000 @ A3			
							ISSUED: AUG 2014					
							DWG. NO. 33302-2A-AB-121		REV. 1			

DISCLAIMER:
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PLAN IS INTENDED TO BE SOLELY USED AS
THE BASE DATA FOR THE PURPOSES OF 2240
APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND
PARTNERS CONSULTANTS ACCEPT NO
RESPONSIBILITY FOR ANY BUILDING DESIGN
OR CONSTRUCTION WORK BASED ON THIS
DRAWING FILE.

LEGEND:

- BOTTOM FACE OF WALL
- TOP FACE OF WALL
- CATCH PIT/BERM SUMP
- STORMWATER MANHOLE
- FENCE
- STORMWATER LINE
- BOUNDARY

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- The coordinates (X,Y) are in terms of NZTM on NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: Rowan Hallam
Registered Professional Surveyor

Date: 22/08/2014

Name: Rowan Hallam

SHEET 151

SHEET 152

Lot 2 DP 428122
KINGSWAY PRIMARY SCHOOL



REVISION DETAILS	NAME	DATE	CLIENT:
1. DRAWING ISSUED	AC	22/08/14	

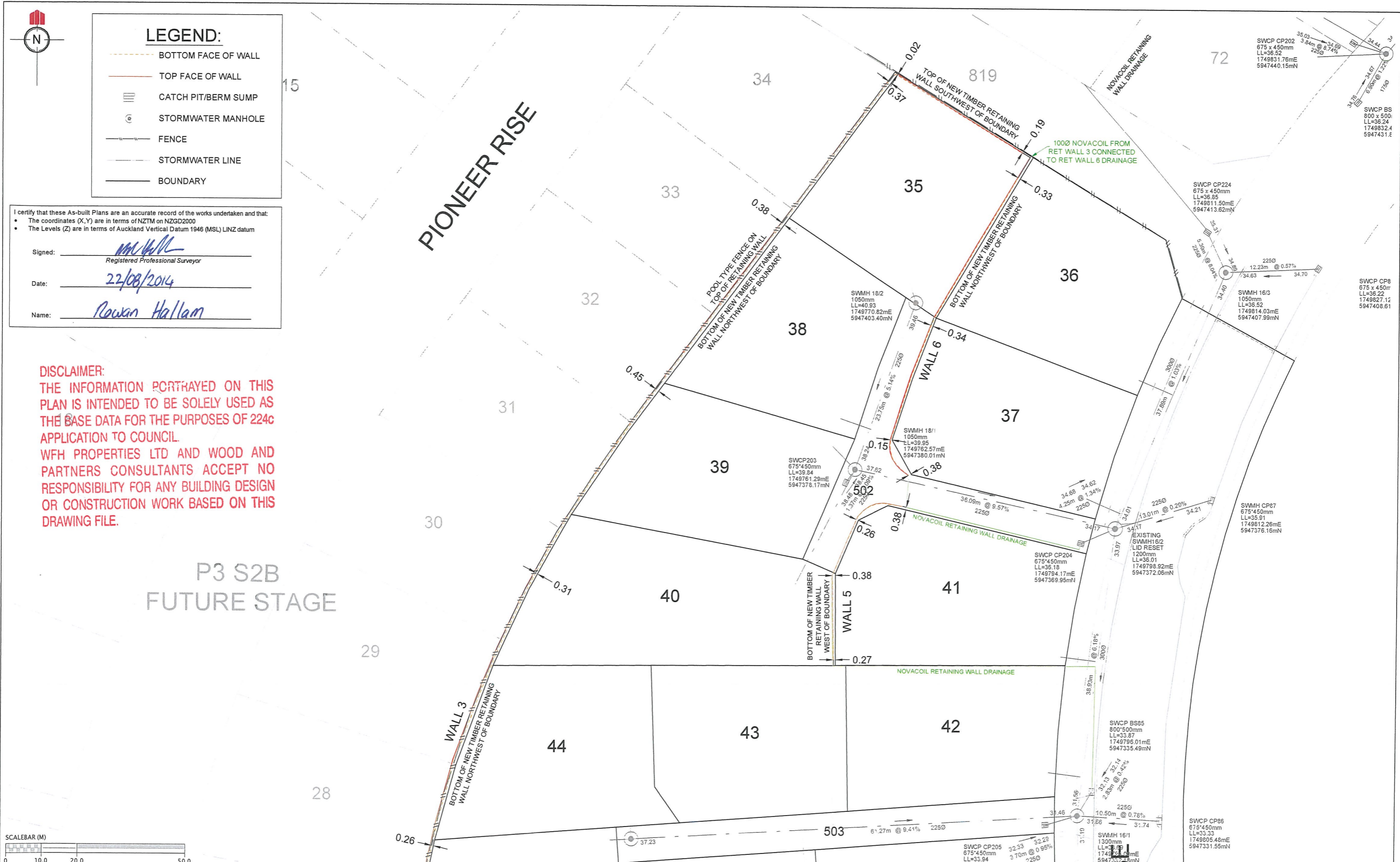
MILLWATER – PRECINCT 3 – STAGE 2A

RETAINING WALL ASBUILT PLAN

AUCKLAND COUNCIL



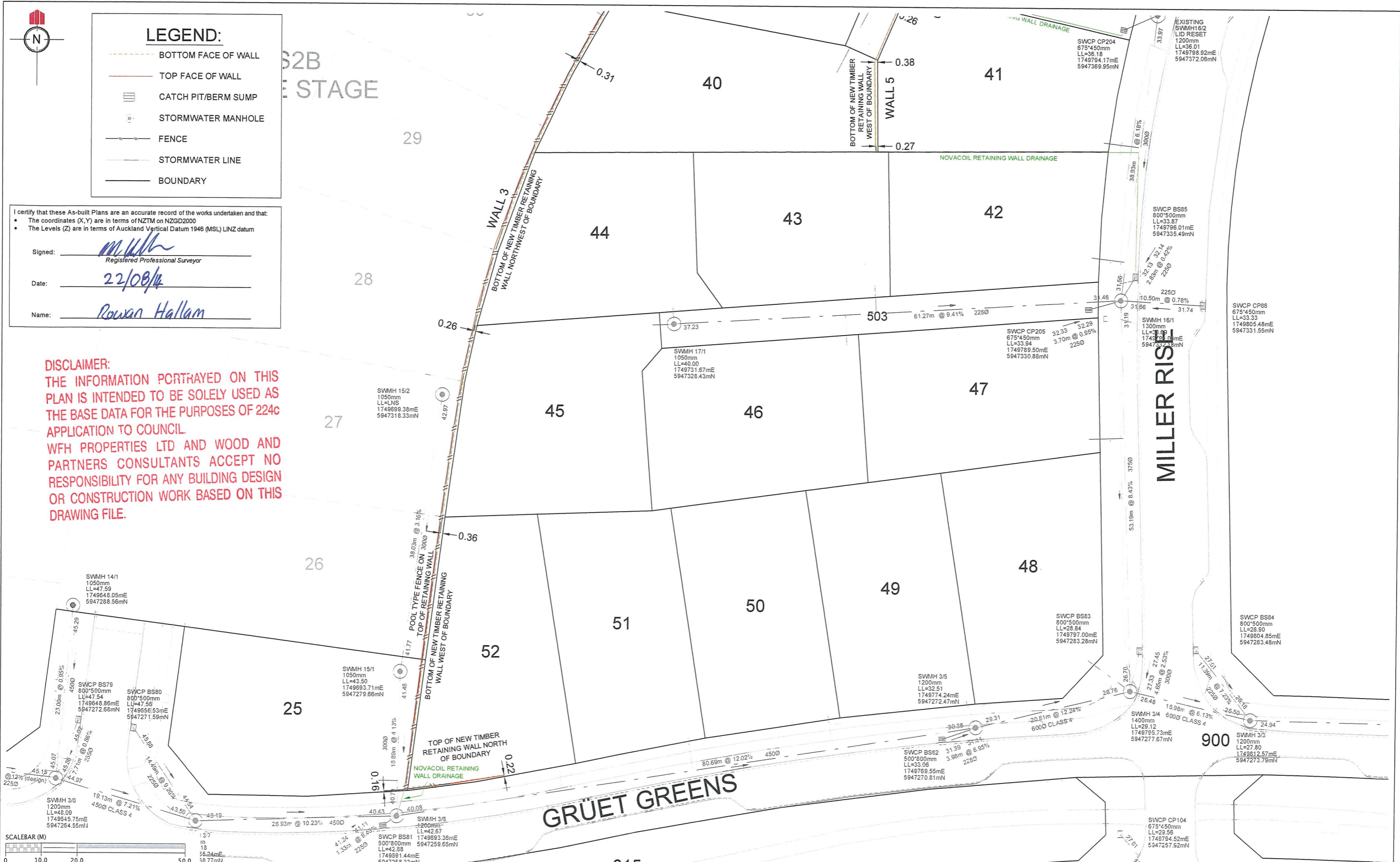
DESIGNED:	ASBUILT
CHECKED:	DRAWN: AC
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302-P3-2A	SCALE: 1:1000@ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-150	REV. 1



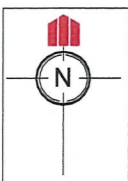
DISCLAIMER:
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REVISION DETAILS			NAME	DATE	CLIENT:
1. DRAWING ISSUED			AC	22/08/14	

MILLWATER – PRECINCT 3 – STAGE 2A			WOODS Engineers, Surveyors, Planners.	
RETAINING WALL ASBUILT PLAN SHEET 1 OF 2			DESIGNED: ASBUILT	
AUCKLAND COUNCIL			CHECKED: DRAWN: AC	
			APPROVED: SURVEYED: WOODS	
			JOB NUMBER: 33302-P3-2A SCALE: 1:500@ A3	
			ISSUED: AUG 2014	
			DWG. NO. 33302-2A-AB-151 REV. 1	

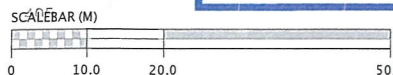


SCHEDULE OF COORDINATES STREET TREES		
	mE	mN
ST1	1749649.18	5947280.02
ST2	1749658.13	5947277.81
ST3	1749676.78	5947258.25
ST4	1749707.20	5947260.77
ST5	1749727.53	5947264.87
ST6	1749745.40	5947268.28
ST7	1749764.13	5947270.76
ST8	1749779.93	5947272.22
ST9	1749795.84	5947297.48
ST10	1749795.02	5947320.48
ST11	1749795.46	5947344.36
ST12	1749797.68	5947360.39
ST13	1749802.89	5947381.09
ST15	1749805.07	5947314.65
ST16	1749805.56	5947288.75
ST17	1749828.35	5947273.25
ST18	1749845.11	5947272.89
ST19	1749864.30	5947272.36
ST20	1749892.63	5947271.59
ST21	1749913.90	5947270.99
ST22	1749956.49	5947261.19
ST23	1749921.68	5947245.34
ST24	1749902.21	5947245.93
ST25	1749851.71	5947247.27
ST26	1749835.03	5947247.50
ST27	1749815.36	5947247.90
ST28	1749782.07	5947247.23
ST29	1749764.12	5947245.30
ST30	1749747.88	5947243.04
ST31	1749702.75	5947234.48
ST32	1749667.68	5947233.14
ST33	1749654.25	5947233.93
ST34	1749631.16	5947237.73



SCHEDULE OF COORDINATES STREET LIGHTS		
	mE	mN
SL1	1749656.54	5947269.83
SL2	1749694.74	5947259.07
SL3	1749755.78	5947269.63
SL4	1749817.01	5947272.95
SL5	1749877.67	5947271.51
SL6	1749930.53	5947270.38
SL7	1749936.98	5947245.03
SL8	1749887.65	5947246.33
SL9	1749825.56	5947247.83
SL10	1749755.05	5947244.24
SL11	1749689.54	5947233.51
SL13	1749808.95	5947369.68
SL12	1749804.35	5947320.71

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REVISION DETAILS	NAME	DATE	CLIENT:
1 DRAWING ISSUED	AC	29/08/14	



MILLWATER – PRECINCT 3 – STAGE 2A

ROADING AND STREET LIGHT ASBUILT PLAN

OVERALL

AUCKLAND COUNCIL



DESIGNED:	ASBUILT
CHECKED:	DRAWN: AC
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 - P3 - 2A	SCALE: 1:1000 @ A3
ISSUED: AUG 2014	
DWC. NO. 33302-2A-AB-200	REV. 1

NOTES

- ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE NOV 2005.
- ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED ENGINEERING PLANS.
- ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK.
- ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED.
- ALL PIPE CROSSINGS UNDER ROADS HAVE BEEN HARDFILL BACKFILLED
- ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY DATA AND CONTRACTOR RECEIVED DATA.

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 NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum


Signed: 
Registered Professional Surveyor

Date: 29/08/2014

Name: ROWAN HALLAM

LEGEND

	STREET LIGHT
	ROAD NAME SIGN
	CATCH PIT/BERM SUMP
	STORMWATER MANHOLE
	RG-6 SIGN (GIVE WAY)
	RG-9 SIGN (NO ENTRY)
	RG-7 / RG-8 SIGN (NO RIGHT / NO LEFT TURN)
	STREET TREE
	STAGE EXTENTS
	SS BOUNDARY KIT
	SS ISOLATION VALVE
	SS FLUSHING POINT
	SS AIR VALVE
	WATER SLUICE VALVE
	WATER PEET VALVE
	WATER FIRE HYDRANT
	GAS MARKER

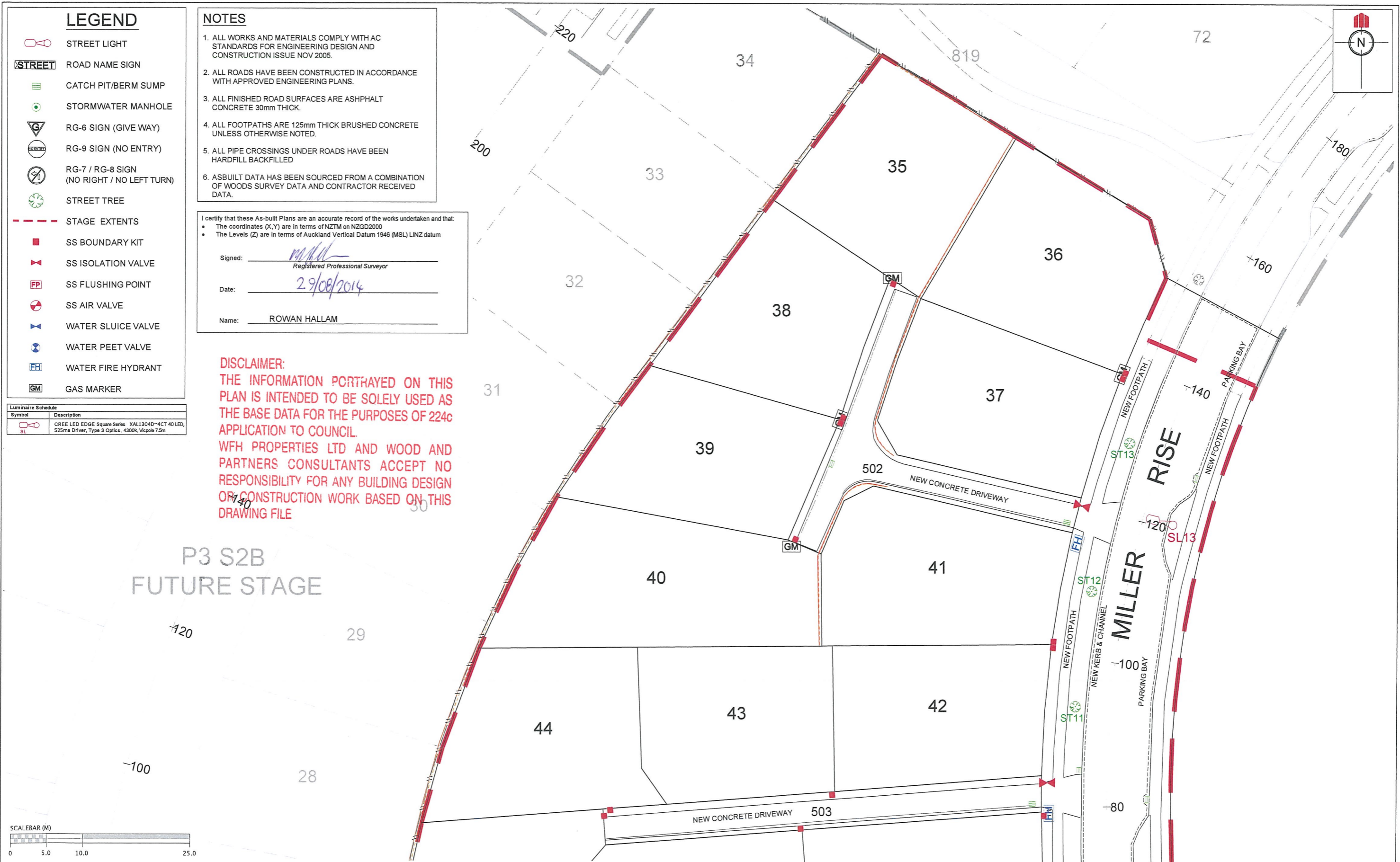
Luminaire Schedule	
Symbol	Description
	CREE LED EDGE Square Series XAL1304D-4CT 40 LED, 525ma Driver, Type 3 Optics, 4300K, Vc pole 7.5m

SHEET 203

Lot 2 DP 428122
KINGSWAY PRIMARY SCHOOL

SHEET 202

P2 S4
FUTURE STAGE




REVISION DETAILS		NAME	DATE	CLIENT:	<div><div><div>WFH</div><div>PROPERTIES</div></div><div></div></div> <div>MILLWATER – PRECINCT 3 – STAGE 2A</div> <div>ROADING AND STREET LIGHT ASBUILT PLAN</div> <div>SHEET 1 OF 3</div> <div>AUCKLAND COUNCIL</div>	<div><div><div></div><div>WOODS</div><div>Engineers. Surveyors. Planners.</div></div></div>	DESIGNED:		ASBUILT	
1 DRAWING ISSUED		AC	29/08/14	CHECKED:			DRAWN: AC			
				APPROVED:			SURVEYED: WOODS			
				JOB NUMBER: 33302 – P3 –2A			SCALE: 1:500 @ A3			
				ISSUED: AUG 2014						
				DWG. NO. 33302-2A-AB-201		REV. 1				

NOTES

1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE NOV 2005.
2. ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED ENGINEERING PLANS.
3. ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK.
4. ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED.
5. ALL PIPE CROSSINGS UNDER ROADS HAVE BEEN HARDFILL BACKFILLED
6. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY DATA AND CONTRACTOR RECEIVED DATA.

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Signed: 
Registered Professional Surveyor

Date: 29/08/2014

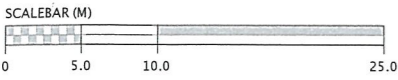
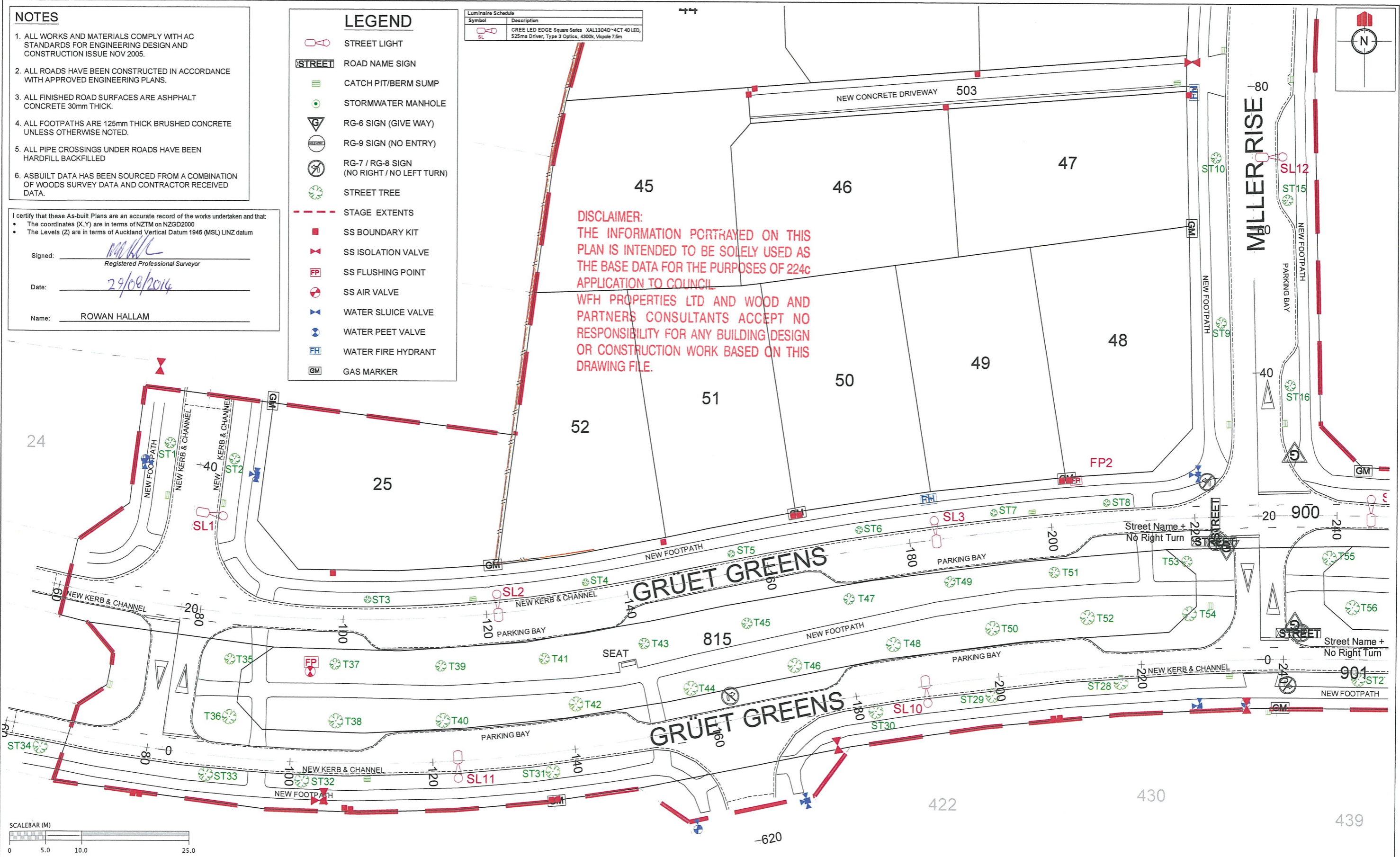
Name: ROWAN HALLAM



LEGEND

-  STREET LIGHT
-  ROAD NAME SIGN
-  CATCH PIT/BERM SUMP
-  STORMWATER MANHOLE
-  RG-6 SIGN (GIVE WAY)
-  RG-9 SIGN (NO ENTRY)
-  RG-7 / RG-8 SIGN (NO RIGHT / NO LEFT TURN)
-  STREET TREE
-  STAGE EXTENTS
-  SS BOUNDARY KIT
-  SS ISOLATION VALVE
-  SS FLUSHING POINT
-  SS AIR VALVE
-  WATER SLUICE VALVE
-  WATER PEET VALVE
-  WATER FIRE HYDRANT
-  GAS MARKER

Luminaire Schedule	
Symbol	Description
	CREE LED EDGE Square Series XAL1304D~4CT 40 LED, 525ma Driver, Type 3 Optics, 4300k, Vc pole 7.5m

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REVISION DETAILS		NAME	DATE	CLIENT:	<div>WFH P R O P E R T I E S</div> <div>MILLWATER – PRECINCT 3 – STAGE 2A ROADING AND STREET LIGHT ASBUILT PLAN SHEET 2 OF 3 AUCKLAND COUNCIL</div>	<div>WOODS Engineers. Surveyors. Planners.</div>	DESIGNED:		ASBUILT	
1 DRAWING ISSUED		AC	29/08/14	CHECKED:			DRAWN: AC			
				APPROVED:			SURVEYED: WOODS			
				JOB NUMBER: 33302 – P3 –2A			SCALE: 1:500 @ A3			
				ISSUED: AUG 2014						
				DWG. NO. 33302-2A-AB-202					REV. 1	

NOTES

1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE NOV 2005.
2. ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED ENGINEERING PLANS.
3. ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK.
4. ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED.
5. ALL PIPE CROSSINGS UNDER ROADS HAVE BEEN HARDFILL BACKFILLED
6. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY DATA AND CONTRACTOR RECEIVED DATA.

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Signed: 
Registered Professional Surveyor

Date: 29/08/2014
















Name: Rouna Hallam

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SCHEDULE OF COORDINATES RESERVE TREES		
	mE	mN
T35	1749657.57	5947249.88
T36	1749657.51	5947241.85
T37	1749672.26	5947249.25
T38	1749672.41	5947241.34
T39	1749687.05	5947249.04
T40	1749687.37	5947241.47
T41	1749701.45	5947250.12
T42	1749705.95	5947243.84
T43	1749715.42	5947252.29
T44	1749721.97	5947246.10
T45	1749729.77	5947255.18
T46	1749736.53	5947249.36
T47	1749744.05	5947258.65
T48	1749750.26	5947252.33
T49	1749758.02	5947261.09
T50	1749764.03	5947254.65
T51	1749772.70	5947262.49
T52	1749777.35	5947256.21
T53	1749791.15	5947264.11
T54	1749791.56	5947256.82
T55	1749811.18	5947264.69
T56	1749814.47	5947257.82
T57	1749825.57	5947264.63
T58	1749829.02	5947256.74
T59	1749841.20	5947263.76
T60	1749842.85	5947255.95
T61	1749855.62	5947263.17
T62	1749857.66	5947255.08
T63	1749870.02	5947262.76
T64	1749872.66	5947252.98
T65	1749884.37	5947261.87
T66	1749889.42	5947253.14
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T68	1749902.01	5947253.76
T69	1749916.88	5947260.77
T70	1749917.85	5947254.12
T71	1749932.35	5947261.13
T72	1749933.03	5947254.43

Note: All reserve trees are PB150 grade Platanus acerfolia (Plane Tree)

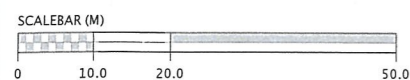
LEGEND

-  STREET LIGHT
-  ROAD NAME SIGN
-  CATCH PIT/BERM SUMP
-  STORMWATER MANHOLE
-  RG-6 SIGN (GIVE WAY)
-  RG-9 SIGN (NO ENTRY)
-  RG-7 / RG-8 SIGN (NO RIGHT / NO LEFT TURN)
-  STREET TREE
-  STAGE EXTENTS
-  SS BOUNDARY KIT
-  SS ISOLATION VALVE
-  SS FLUSHING POINT
-  SS AIR VALVE
-  WATER SLUICE VALVE
-  WATER PEET VALVE
-  WATER FIRE HYDRANT
-  GAS MARKER

SHEET 251

SHEET 252

Lot 2 DP 428122
KINGSWAY PRIMARY SCHOOL



REVISION DETAILS	NAME	DATE	CLIENT:
1 DRAWING ISSUED	AC	29/08/14	



MILLWATER – PRECINCT 3 – STAGE 2A
RESERVES ASBUILT PLAN
OVERALL
AUCKLAND COUNCIL




DESIGNED:	ASBUILT
CHECKED:	DRAWN: AC
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 - P3 - 2A	SCALE: 1:1000 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-250	REV. 1

NOTES
















1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE NOV 2005.
2. ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED ENGINEERING PLANS.
3. ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK.
4. ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED.
5. ALL PIPE CROSSINGS UNDER ROADS HAVE BEEN HARDFILL BACKFILLED
6. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY DATA AND CONTRACTOR RECEIVED DATA.

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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: 
Registered Professional Surveyor
Date: 29/08/2014
Name: Robin Hallam

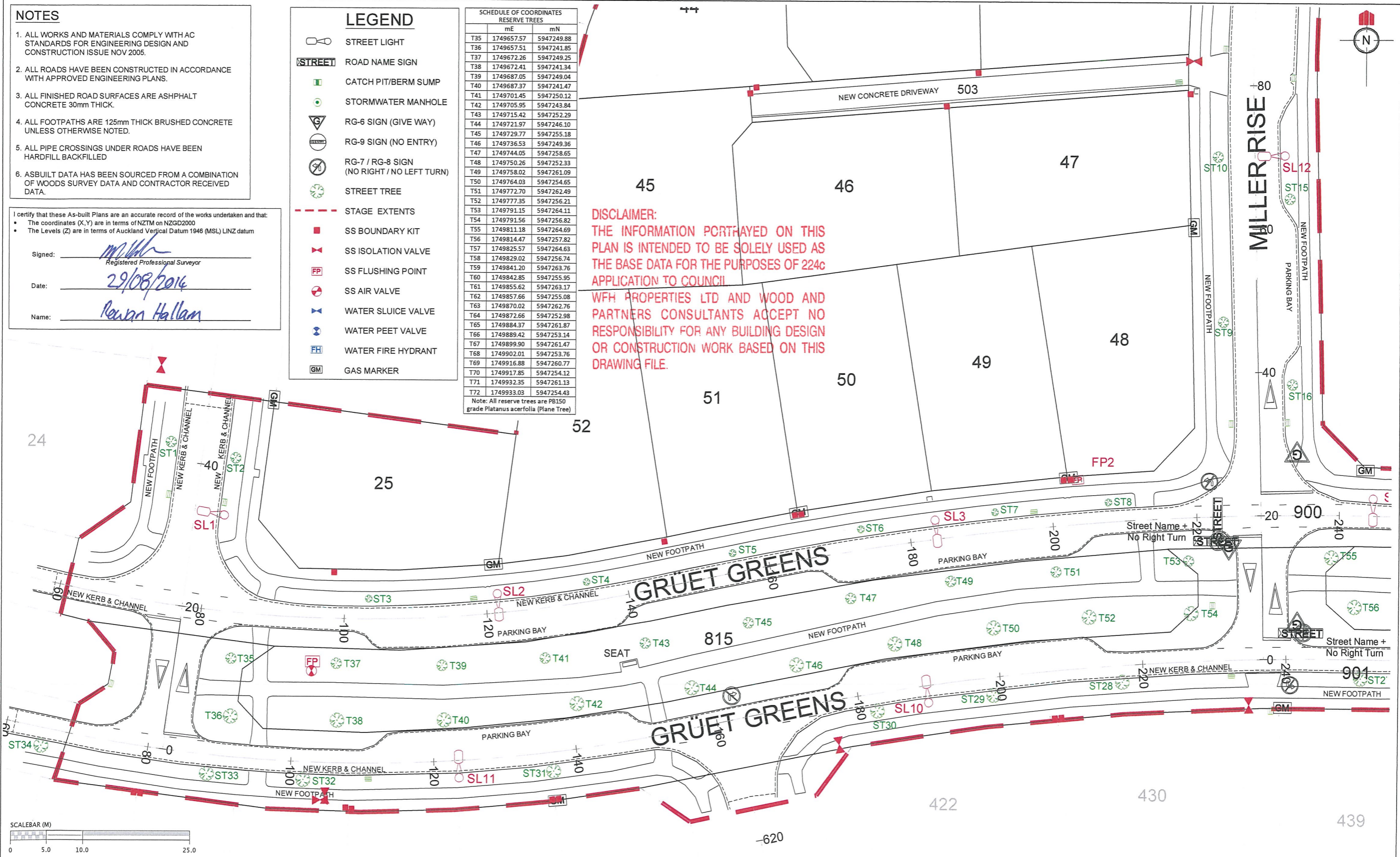
LEGEND

-  STREET LIGHT
-  ROAD NAME SIGN
-  CATCH PIT/BERM SUMP
-  STORMWATER MANHOLE
-  RG-6 SIGN (GIVE WAY)
-  RG-9 SIGN (NO ENTRY)
-  RG-7 / RG-8 SIGN (NO RIGHT / NO LEFT TURN)
-  STREET TREE
-  STAGE EXTENTS
-  SS BOUNDARY KIT
-  SS ISOLATION VALVE
-  SS FLUSHING POINT
-  SS AIR VALVE
-  WATER SLUICE VALVE
-  WATER PEET VALVE
-  WATER FIRE HYDRANT
-  GAS MARKER


SCHEDULE OF COORDINATES RESERVE TREES		
	mE	mN
T35	1749657.57	5947249.88
T36	1749657.51	5947241.85
T37	1749672.26	5947249.25
T38	1749672.41	5947241.34
T39	1749687.05	5947249.04
T40	1749687.37	5947241.47
T41	1749701.45	5947250.12
T42	1749705.95	5947243.84
T43	1749715.42	5947252.29
T44	1749721.97	5947246.10
T45	1749729.77	5947255.18
T46	1749736.53	5947249.36
T47	1749744.05	5947258.65
T48	1749750.26	5947252.33
T49	1749758.02	5947261.09
T50	1749764.03	5947254.65
T51	1749772.70	5947262.49
T52	1749777.35	5947256.21
T53	1749791.15	5947264.11
T54	1749791.56	5947256.82
T55	1749811.18	5947264.69
T56	1749814.47	5947257.82
T57	1749825.57	5947264.63
T58	1749829.02	5947256.74
T59	1749841.20	5947263.76
T60	1749842.85	5947255.95
T61	1749855.62	5947263.17
T62	1749857.66	5947255.08
T63	1749870.02	5947262.76
T64	1749872.66	5947252.98
T65	1749884.37	5947261.87
T66	1749889.42	5947253.14
T67	1749899.90	5947261.47
T68	1749902.01	5947253.76
T69	1749916.88	5947260.77
T70	1749917.85	5947254.12
T71	1749932.35	5947261.13
T72	1749933.03	5947254.43

Note: All reserve trees are PB150 grade Platanus acerfolia (Plane Tree)

DISCLAIMER:
THE INFORMATION PORTRAYED ON THIS PLAN IS INTENDED TO BE SOLELY USED AS THE BASE DATA FOR THE PURPOSES OF 224c APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND PARTNERS CONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY BUILDING DESIGN OR CONSTRUCTION WORK BASED ON THIS DRAWING FILE.



REVISION DETAILS	NAME	DATE	CLIENT:
1 DRAWING ISSUED	AC	29/08/14	




WFH PROPERTIES

MILLWATER – PRECINCT 3 – STAGE 2A

RESERVE ASBUILT PLAN

SHEET 1 OF 2

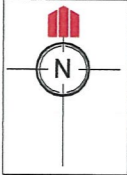
AUCKLAND COUNCIL



WOODS
Engineers, Surveyors, Planners.

DESIGNED:	ASBUILT
CHECKED:	DRAWN: AC
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 - P3 - 2A	SCALE: 1:500 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-251	REV. 1

SCHEDULE OF COORDINATES STORMWATER LOT CONNECTIONS			
Lot No.	mE	mN	Length
Lot 35	1749769.76	5947406.77	3.5
Lot 36	1749802.05	5947392.84	5.1
Lot 37	1749794.91	5947376.20	5.1
Lot 38	1749760.48	5947387.13	4.5
Lot 39	1749759.41	5947383.25	4.5
Lot 40	1749754.16	5947363.73	18.3
Lot 41	1749791.46	5947354.16	4.9
Lot 42	1749789.84	5947338.11	4.6
Lot 43	1749759.63	5947334.83	4.7
Lot 44	1749731.42	5947332.57	4.2
Lot 45	1749728.67	5947328.27	2.9
Lot 46	1749755.83	5947325.51	4.4
Lot 47	1749789.70	5947312.77	4.8
Lot 48	1749789.79	5947281.94	7.2
Lot 49	1749772.15	5947278.06	5.8
Lot 50	1749753.36	5947275.29	5.9
Lot 51	1749733.80	5947272.34	6.1
Lot 52	1749715.66	5947268.78	5.4
Lot 25	1749690.80	5947264.59	2.7
*Lot 407	1749642.88	5947229.02	3.8
*Lot 408	1749656.51	5947226.28	2.9
*Lot 409	1749672.99	5947227.87	3.5
*Lot 410	1749680.79	5947228.04	4.3
*Lot 411	1749700.47	5947228.95	5.3
*Lot 412	1749715.14	5947230.38	5.8
*Lot 422	1749770.25	5947240.39	5
*Lot 430	1749797.93	5947241.62	5.2
*Lot 437	1749859.21	5947239.13	5.8
*Lot 438	1749841.74	5947240.63	4.5
*Lot 439	1749823.17	5947240.35	6.5
*Lot 442	1749933.24	5947239.13	5.4
*Lot 443	1749919.48	5947239.55	4.9
*Lot 444	1749900.27	5947240.05	4.8
* DENOTES PART OF FUTURE DEVELOPMENT STAGE			
**NOTES: * CONSTRUCTED AS PART OF PREVIOUS STAGE			



DISCLAIMER:
THE INFORMATION PORTRAYED ON THIS
PLAN IS INTENDED TO BE SOLELY USED AS
THE BASE DATA FOR THE PURPOSES OF 224c
APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND
PARTNERS CONSULTANTS ACCEPT NO
RESPONSIBILITY FOR ANY BUILDING DESIGN
OR CONSTRUCTION WORK BASED ON THIS
DRAWING FILE

SHEET 301

LEGEND

- STORMWATER MANHOLE
- STORMWATER CESSPIT
- OVERLAND FLOW
- NEW STORMWATER
- EXISTING STORMWATER
- STAGE BOUNDARY

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 NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: _____
Registered Professional Surveyor

Date: _____

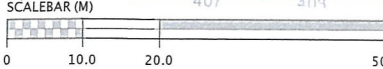
Name: ROWAN HALLAM

NOTES

- ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
- ALL PIPE BEDDING COMPLIES WITH AC STANDARDS
- ALL BERM SUMP AND CESSPIT LEADS ARE REINFORCED CONCRETE PIPES CLASS 4 (Z) RRJ. ALL OTHER PIPELINES ARE REINFORCED CONCRETE CLASS 2 (X) RRJ UNLESS OTHERWISE NOTED.
- ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
- ALL SW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
- ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
- LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
- ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY MEASURED DATA AND CONTRACTOR RECEIVED DATA.

SHEET 303

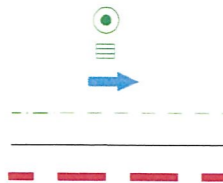
SHEET 302



REVISION DETAILS		NAME	DATE	CLIENT:	MILLWATER – PRECINCT 3 – STAGE 2A		STORMWATER ASBUILT PLAN OVERALL		AUCKLAND COUNCIL		WOODS Engineers. Surveyors. Planners.		DESIGNED:		ASBUILT	
1		DRAWING ISSUED	AC	29/08/14									CHECKED:		DRAWN:	
													APPROVED:		SURVEYED:	WOODS
													JOB NUMBER:	33302 – P3 – 2A	SCALE:	1:1000 @ A3
													ISSUED:	AUG 2014		
													DWG. NO.	33302-2A-AB-300	REV.	

LEGEND

STORMWATER MANHOLE
STORMWATER CESSPIT
OVERLAND FLOW
NEW STORMWATER
EXISTING STORMWATER
STAGE BOUNDARY



NOTES

1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
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6. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
7. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
8. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY MEASURED DATA AND CONTRACTOR RECEIVED DATA.

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 NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: *Rowan Hallam*
Registered Professional Surveyor

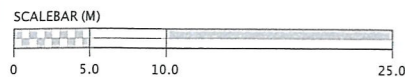
Date: 29/08/2014

Name: ROWAN HALLAM

PIONEER RISE

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P3 S2B
FUTURE STAGE



REVISION DETAILS	NAME	DATE
1 DRAWING ISSUED	AC	29/08/14



MILLWATER – PRECINCT 3 – STAGE 2A

STORMWATER ASBUILT PLAN
SHEET 1 OF 3

AUCKLAND COUNCIL

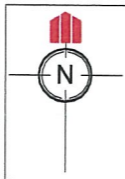


WOODS
Engineers. Surveyors. Planners.

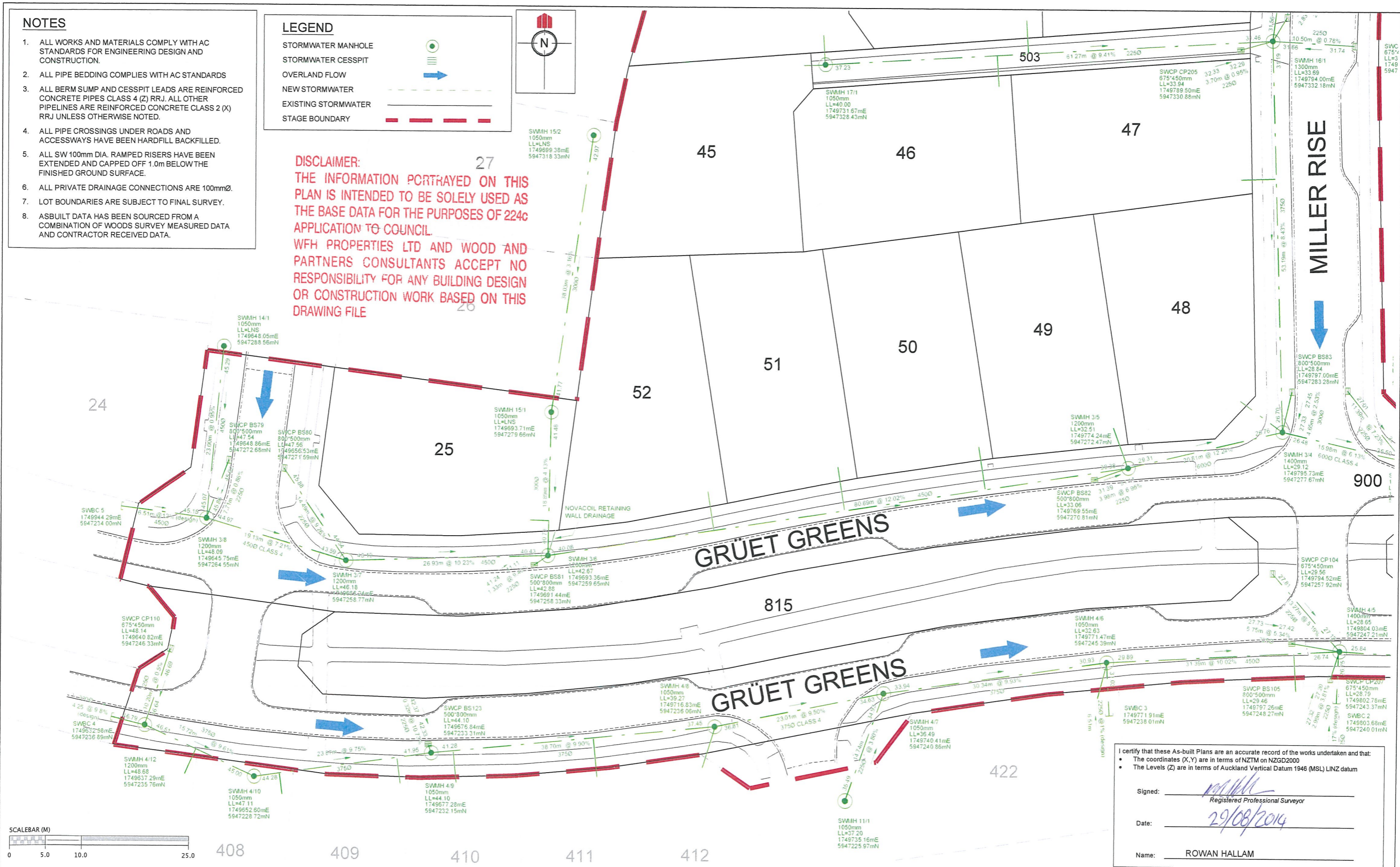
DESIGNED:	ASBUILT
CHECKED:	DRAWN:
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 – P3 – 2A	SCALE: 1:500 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-301	REV. 1

1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
2. ALL PIPE BEDDING COMPLIES WITH AC STANDARDS
3. ALL BERM SUMP AND CESSPIT LEADS ARE REINFORCED CONCRETE PIPES CLASS 4 (2) RRJ. ALL OTHER PIPELINES ARE REINFORCED CONCRETE CLASS 2 (X) RRJ UNLESS OTHERWISE NOTED.
4. ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
5. ALL SW 100mm DIA. RAPPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
6. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
7. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
8. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY MEASURED DATA AND CONTRACTOR RECEIVED DATA.

STORMWATER MANHOLE
STORMWATER CESSPIT
OVERLAND FLOW
NEW STORMWATER
EXISTING STORMWATER
STAGE BOUNDARY



DISCLAIMER: 27
THE INFORMATION PORTRAYED ON THIS
PLAN IS INTENDED TO BE SOLELY USED AS
THE BASE DATA FOR THE PURPOSES OF 224c
APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND
PARTNERS CONSULTANTS ACCEPT NO
RESPONSIBILITY FOR ANY BUILDING DESIGN
OR CONSTRUCTION WORK BASED ON THIS
DRAWING FILE 20



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

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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed:
Registered Professional Surveyor

Date: 29/08/2014

Name: ROWAN HALLAM

REVISION DETAILS	NAME	DATE	CLIENT
1 DRAWING ISSUED	AC	29/08/14	P



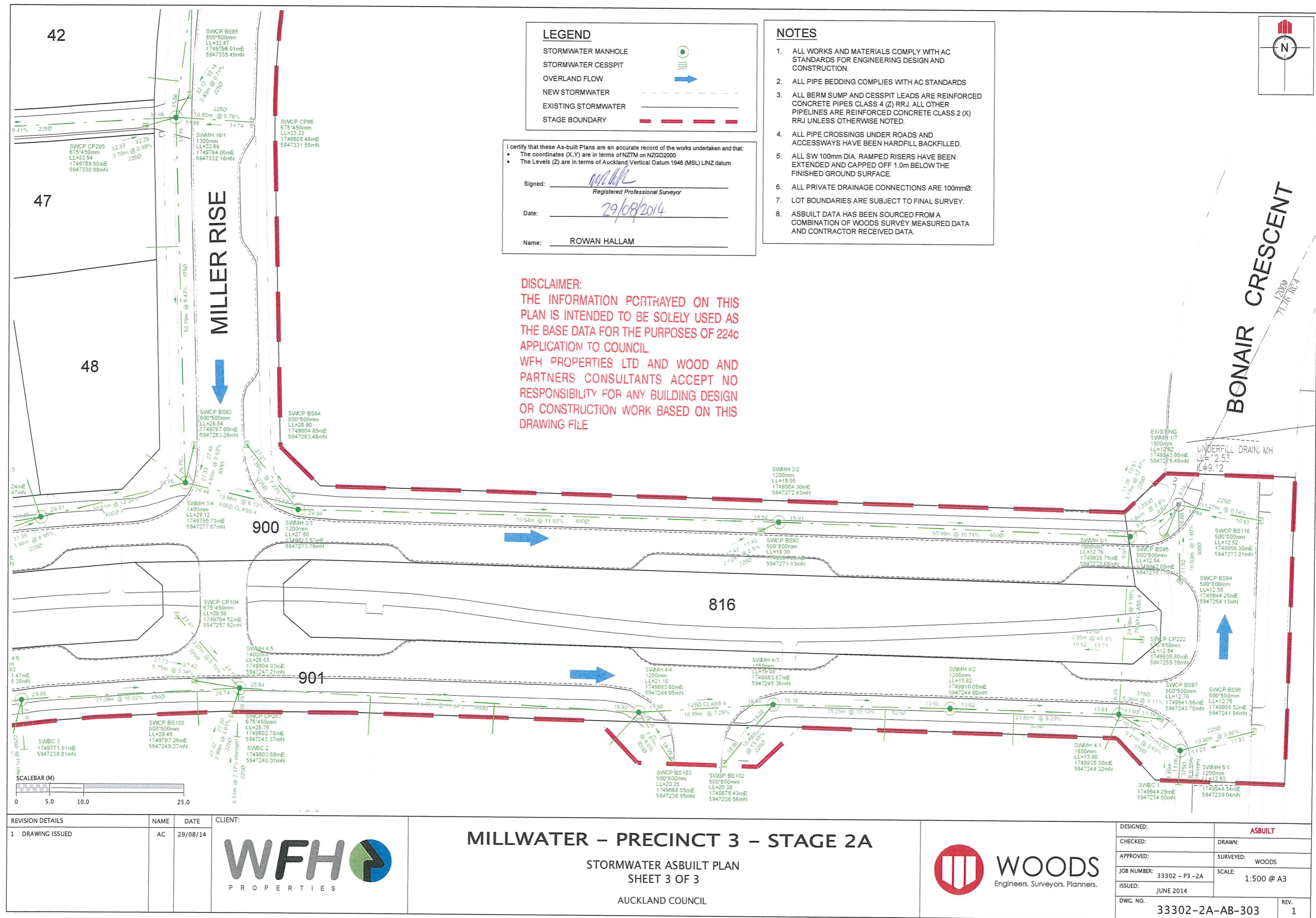
STORMWATER ASBUILT PLAN
SHEET 2 OF 3

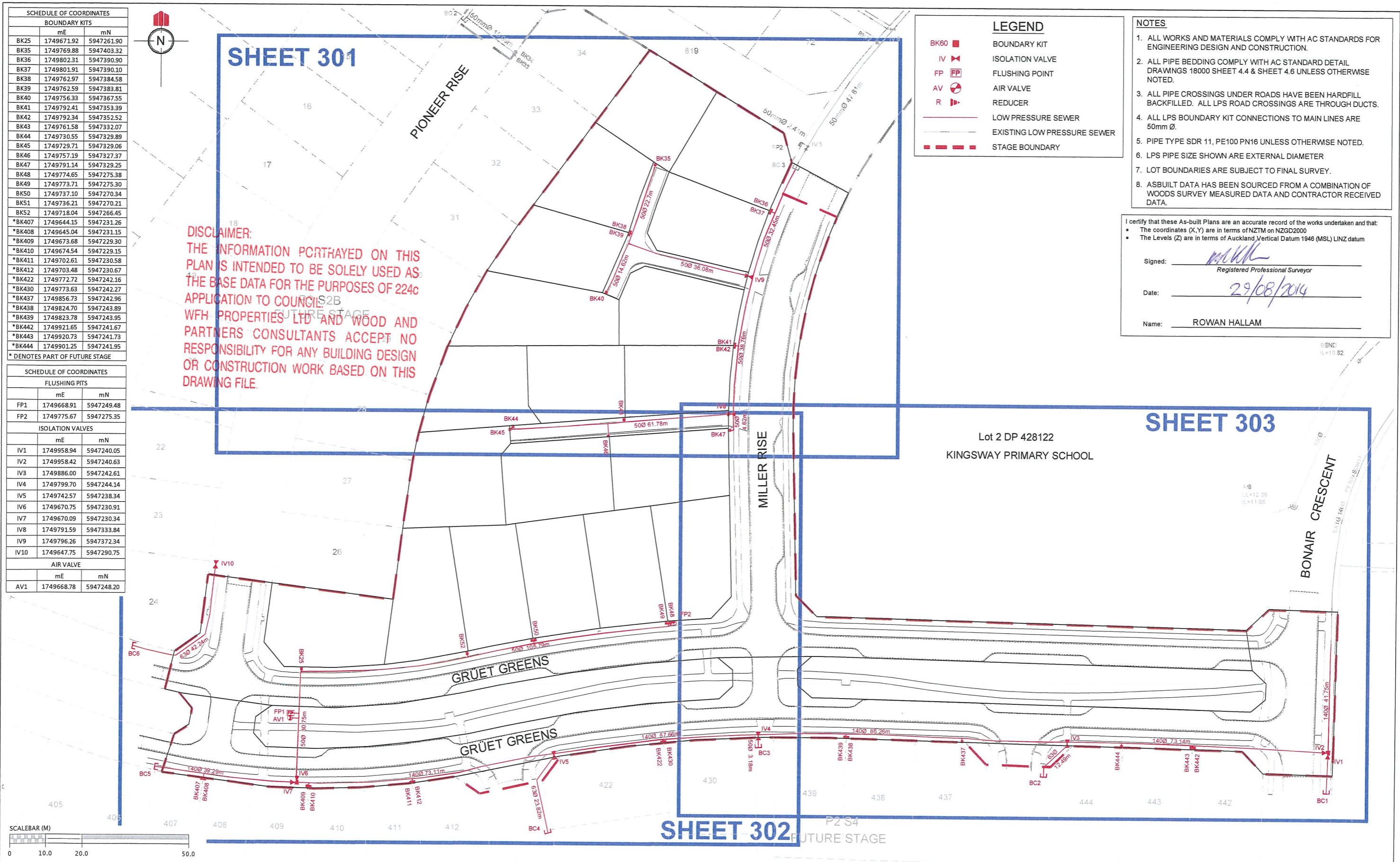
AUCKLAND COUNCIL



WOODS
Engineers. Surveyors. Planners.

DESIGNED:	ASBUILT	
CHECKED:	DRAWN:	
APPROVED:	SURVEYED:	WOODS
JOB NUMBER: 33302 - P3 - 2A	SCALE:	1:500 @ A3
ISSUED: JUNE 2014		
DWG. NO. 33302-2A-AB-302		REV. 1





SCHEDULE OF COORDINATES		
BOUNDARY KITS		
	mE	mN
BK25	1749671.92	5947261.90
BK35	1749769.88	5947403.32
BK36	1749802.31	5947390.90
BK37	1749801.91	5947390.10
BK38	1749762.97	5947384.58
BK39	1749762.59	5947383.81
BK40	1749756.33	5947367.55
BK41	1749792.41	5947353.39
BK42	1749792.34	5947352.52
BK43	1749761.58	5947332.07
BK44	1749730.55	5947329.89
BK45	1749729.71	5947329.06
BK46	1749757.19	5947327.37
BK47	1749791.14	5947329.25
BK48	1749774.65	5947275.38
BK49	1749773.71	5947275.30
BK50	1749737.10	5947270.34
BK51	1749736.21	5947270.21
BK52	1749718.04	5947266.45
*BK407	1749644.15	5947231.26
*BK408	1749645.04	5947231.15
*BK409	1749673.68	5947229.30
*BK410	1749674.54	5947229.15
*BK411	1749702.61	5947230.58
*BK412	1749703.48	5947230.67
*BK422	1749772.72	5947242.16
*BK430	1749773.63	5947242.27
*BK437	1749856.73	5947242.96
*BK438	1749824.70	5947243.89
*BK439	1749823.78	5947243.95
*BK442	1749921.65	5947241.67
*BK443	1749920.73	5947241.73
*BK444	1749901.25	5947241.95
* DENOTES PART OF FUTURE STAGE		

SCHEDULE OF COORDINATES		
FLUSHING PITS		
	mE	mN
FP1	1749668.91	5947249.48
FP2	1749775.67	5947275.35
ISOLATION VALVES		
	mE	mN
IV1	1749958.94	5947240.05
IV2	1749958.42	5947240.63
IV3	1749886.00	5947242.61
IV4	1749799.70	5947244.14
IV5	1749742.57	5947238.34
IV6	1749670.75	5947230.91
IV7	1749670.09	5947230.34
IV8	1749791.59	5947333.84
IV9	1749796.26	5947372.34
IV10	1749647.75	5947290.75
AIR VALVE		
	mE	mN
AV1	1749668.78	5947248.20

LEGEND

BK60

IV

FP

AV

R

BOUNDARY KIT

ISOLATION VALVE

FLUSHING POINT

AIR VALVE

REDUCER

LOW PRESSURE SEWER

EXISTING LOW PRESSURE SEWER

STAGE BOUNDARY

- NOTES
1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.

2. ALL PIPE BEDDING COMPLY WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6 UNLESS OTHERWISE NOTED.

3. ALL PIPE CROSSINGS UNDER ROADS HAVE BEEN HARDFILL BACKFILLED. ALL LPS ROAD CROSSINGS ARE THROUGH DUCTS.

4. ALL LPS BOUNDARY KIT CONNECTIONS TO MAIN LINES ARE 50mm Ø.

5. PIPE TYPE SDR 11, PE100 PN16 UNLESS OTHERWISE NOTED.

6. LPS PIPE SIZE SHOWN ARE EXTERNAL DIAMETER

7. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

8. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY MEASURED DATA AND CONTRACTOR RECEIVED DATA.

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 NZGD2000

The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed:

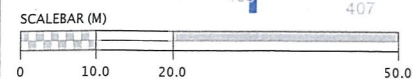
29/08/2014

Registered Professional Surveyor

Date:

Name:

ROWAN HALLAM



REVISION DETAILS

1	DRAWING ISSUED	AC	29/08/14
---	----------------	----	----------

NAME

DATE

CLIENT:

WFH PROPERTIES

MILLWATER – PRECINCT 3 – STAGE 2A

LOW PRESSURE SANITARY SEWER ASBUILT PLAN

OVERALL LAYOUT

AUCKLAND COUNCIL

WOODS

Engineers. Surveyors. Planners.

DESIGNED:

CHECKED:

APPROVED:

JOB NUMBER: 33302 – P3 – 2A

ISSUED: AUG 2014

DWG. NO. 33302-2A-AB-400

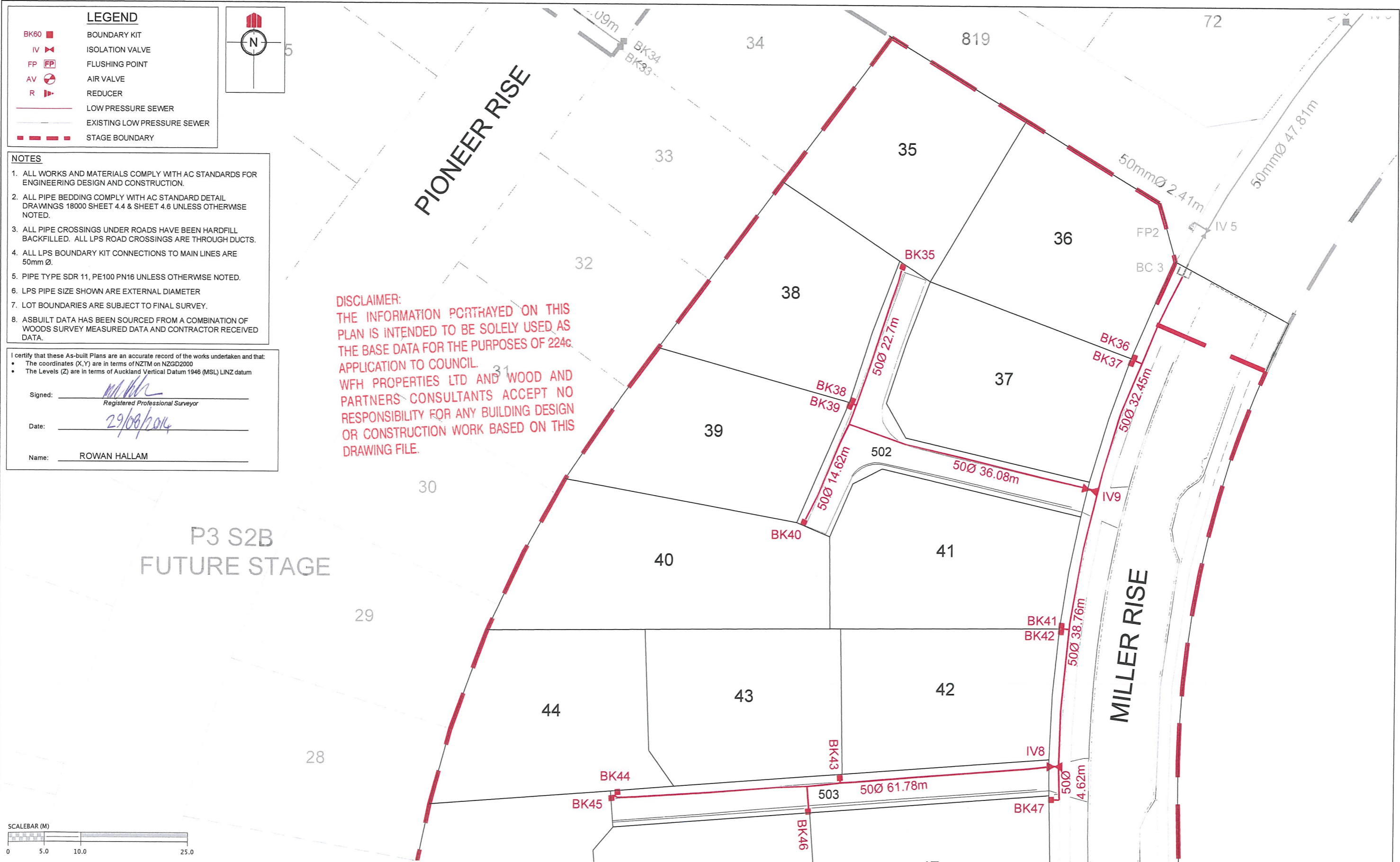
ASBUILT

DRAWN: AC

SURVEYED: WOODS

SCALE: 1:1000 @ A3

REV. 1



LEGEND

- BK60 ■ BOUNDARY KIT
- IV ■ ISOLATION VALVE
- FP ■ FLUSHING POINT
- AV ■ AIR VALVE
- R ■ REDUCER
- LOW PRESSURE SEWER
- - - EXISTING LOW PRESSURE SEWER
- . - . - STAGE BOUNDARY

NOTES

1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
2. ALL PIPE BEDDING COMPLY WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6 UNLESS OTHERWISE NOTED.
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6. LPS PIPE SIZE SHOWN ARE EXTERNAL DIAMETER
7. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
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- The coordinates (X,Y) are in terms of NZTM on NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: _____
Registered Professional Surveyor

Date: _____
29/08/2014

Name: _____
ROWAN HALLAM


DISCLAIMER:
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APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND
PARTNERS CONSULTANTS ACCEPT NO
RESPONSIBILITY FOR ANY BUILDING DESIGN
OR CONSTRUCTION WORK BASED ON THIS
DRAWING FILE.

REVISION DETAILS		NAME	DATE	CLIENT:	<div>MILLWATER – PRECINCT 3 – STAGE 2A</div> <div>LOW PRESSURE SANITARY SEWER ASBUILT PLAN</div> <div>SHEET 1 OF 3</div> <div>AUCKLAND COUNCIL</div>	<div>WOODS Engineers. Surveyors. Planners.</div>	DESIGNED:		ASBUILT	
1 DRAWING ISSUED		AC	29/08/14	<div></div>			CHECKED:		DRAWN:	
							APPROVED:		SURVEYED: WOODS	
							JOB NUMBER: 33302 – P3 – 2A		SCALE: 1:500 @ A3	
				ISSUED: AUG 2014						
				DWG. NO. 33302-2A-AB-401			REV.			

- NOTES**
1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
 2. ALL PIPE BEDDING COMPLY WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6 UNLESS OTHERWISE NOTED.
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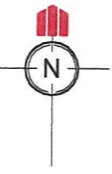
- The coordinates (X,Y) are in terms of NZTM on NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1948 (MSL) LINZ datum

Signed: 
Registered Professional Surveyor

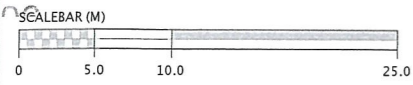
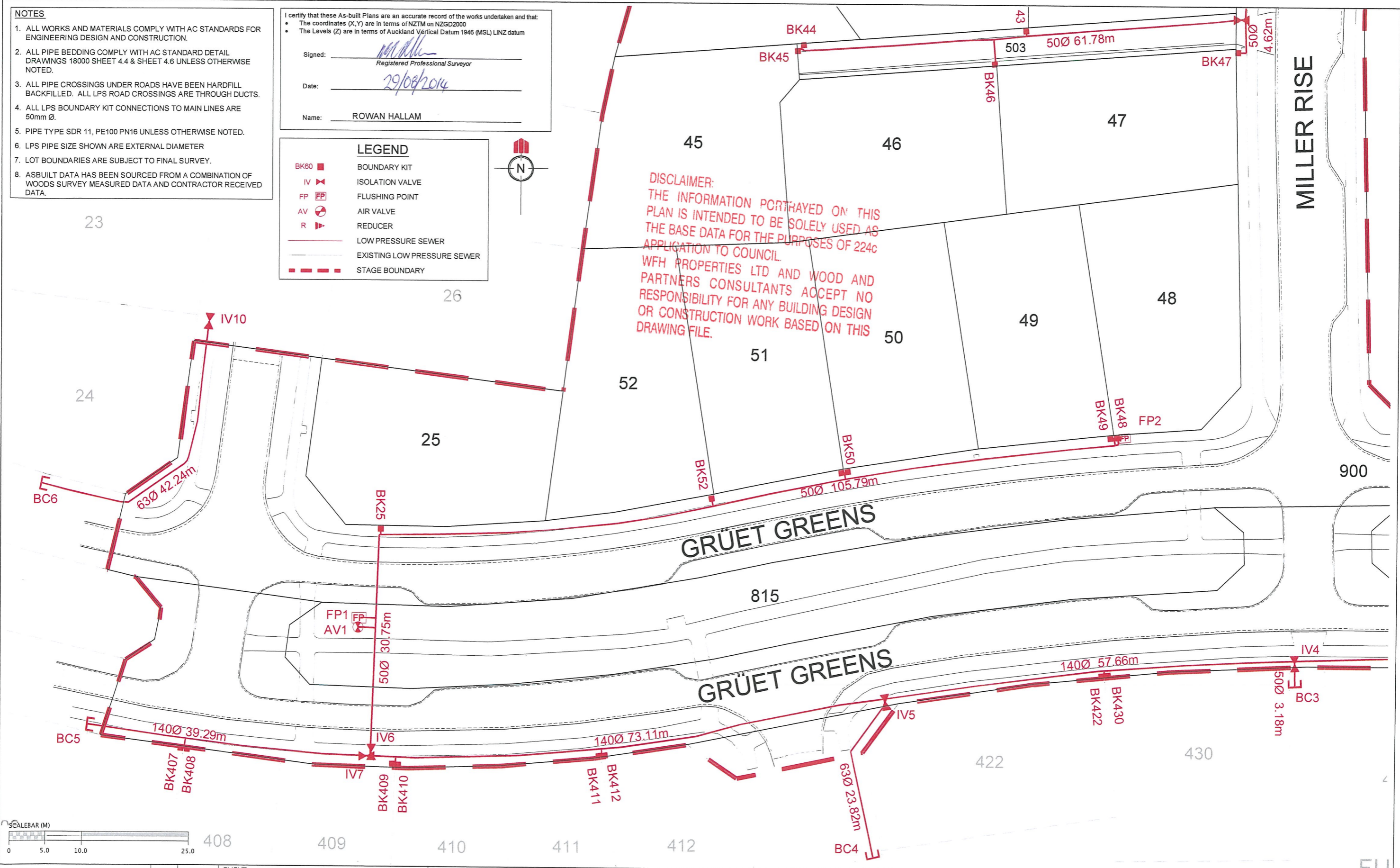
Date: 29/08/2014

Name: ROWAN HALLAM

- LEGEND**
- BK60 ■ BOUNDARY KIT
 - IV  ISOLATION VALVE
 - FP  FLUSHING POINT
 - AV  AIR VALVE
 - R  REDUCER
 -  LOW PRESSURE SEWER
 -  EXISTING LOW PRESSURE SEWER
 -  STAGE BOUNDARY



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THE INFORMATION PORTRAYED ON THIS PLAN IS INTENDED TO BE SOLELY USED AS THE BASE DATA FOR THE PURPOSES OF 224c APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND PARTNERS CONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY BUILDING DESIGN OR CONSTRUCTION WORK BASED ON THIS DRAWING FILE.



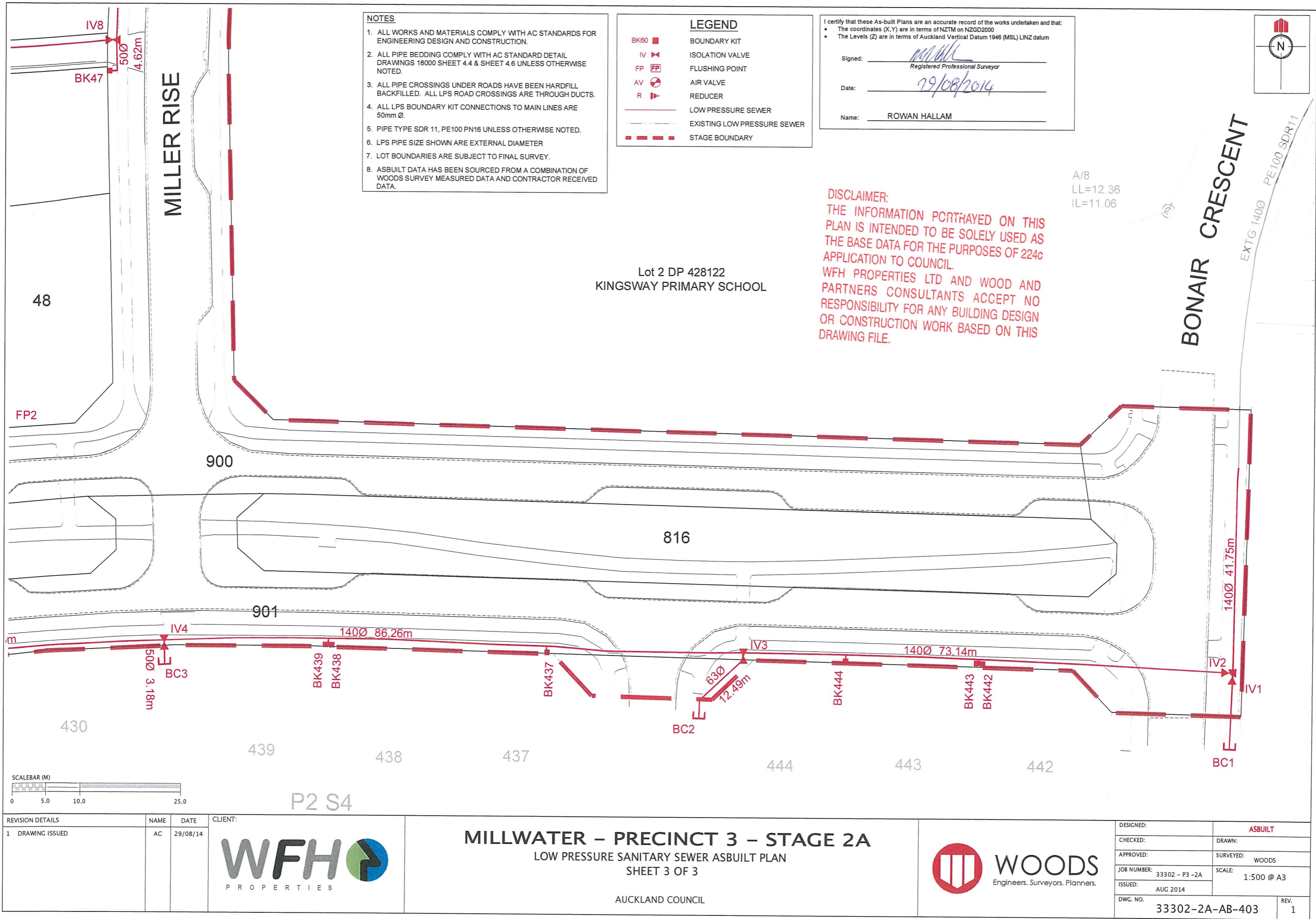
REVISION DETAILS	NAME	DATE	CLIENT:
1 DRAWING ISSUED	AC	29/08/14	



MILLWATER – PRECINCT 3 – STAGE 2A
LOW PRESSURE SANITARY SEWER ASBUILT PLAN
SHEET 2 OF 3
AUCKLAND COUNCIL



DESIGNED:	ASBUILT
CHECKED:	DRAWN:
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 - P3 -2A	SCALE: 1:500 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-402	REV. 1



- NOTES**
1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
 2. ALL PIPE BEDDING COMPLY WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6 UNLESS OTHERWISE NOTED.
 3. ALL PIPE CROSSINGS UNDER ROADS HAVE BEEN HARDFILL BACKFILLED. ALL LPS ROAD CROSSINGS ARE THROUGH DUCTS.
 4. ALL LPS BOUNDARY KIT CONNECTIONS TO MAIN LINES ARE 50mm Ø.
 5. PIPE TYPE SDR 11, PE100 PN16 UNLESS OTHERWISE NOTED.
 6. LPS PIPE SIZE SHOWN ARE EXTERNAL DIAMETER
 7. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 8. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY MEASURED DATA AND CONTRACTOR RECEIVED DATA.

LEGEND

BK60	BOUNDARY KIT
IV	ISOLATION VALVE
FP	FLUSHING POINT
AV	AIR VALVE
R	REDUCER
(solid line)	LOW PRESSURE SEWER
(dashed line)	EXISTING LOW PRESSURE SEWER
(thick dashed line)	STAGE BOUNDARY

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 NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: _____
Registered Professional Surveyor

Date: 29/08/2014

Name: ROWAN HALLAM

DISCLAIMER:
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WFH PROPERTIES LTD AND WOOD AND PARTNERS CONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY BUILDING DESIGN OR CONSTRUCTION WORK BASED ON THIS DRAWING FILE.

A/8
LL=12.36
IL=11.06

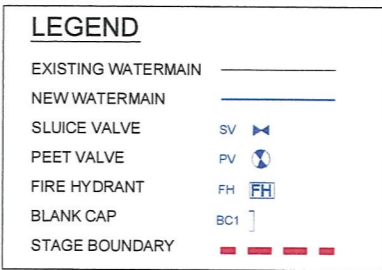
REVISION DETAILS	NAME	DATE	CLIENT:
1 DRAWING ISSUED	AC	29/08/14	



MILLWATER – PRECINCT 3 – STAGE 2A
LOW PRESSURE SANITARY SEWER ASBUILT PLAN
SHEET 3 OF 3
AUCKLAND COUNCIL



DESIGNED:	ASBUILT
CHECKED:	DRAWN:
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 – P3 – 2A	SCALE: 1:500 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-403	REV. 1




- ## NOTES
1. ALL WORK AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
 2. PIPE BEDDING COMPLIES WITH AC STD DETAIL DRAWING 18000 SHEET 4.4 UNLESS OTHERWISE NOTED.
 3. WATERMAINS ARE AN AVERAGE 0.6m BELOW GROUND IN BERMS AND 0.9m BELOW GROUND UNDER ROADS. HARDFILL BACKFILLED BENEATH ROAD CROSSINGS.
 4. ALL PIPES ARE LAID 1.4m OFF THE ROAD SERVICE BOUNDARY IN THE COMMON SERVICE TRENCH.
 5. ALL PIPES ARE PE80 SDR11 PN12.5 UNLESS OTHERWISE NOTED.
 6. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 7. ASBUILT DATA HAS BEEN SOURCED FROM A COMBINATION OF WOODS SURVEY MEASURED DATA AND CONTRACTOR RECEIVED DATA.

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APPLICATION TO COUNCIL.
WFH PROPERTIES LTD AND WOOD AND
PARTNERS CONSULTANTS ACCEPT NO
RESPONSIBILITY FOR ANY BUILDING DESIGN
OR CONSTRUCTION WORK BASED ON THIS
DRAWING FILE.

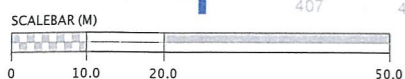
I certify that these As-built Plans are an accurate record of the works undertaken and that:

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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: 
Registered Professional Surveyor

Date: 29/08/2014

Name: ROWAN HALLAM





REVISION DETAILS		NAME	DATE	CLIENT:	<div><div>WFH</div><div>PROPERTIES</div></div> <div>MILLWATER – PRECINCT 3 – STAGE 2A</div> <div>WATER RETICULATION ASBUILT PLAN</div> <div>OVERALL LAYOUT</div> <div>AUCKLAND COUNCIL</div>		<div><div></div><div>WOODS</div><div>Engineers. Surveyors. Planners.</div></div>		DESIGNED:		ASBUILT	
1 DRAWING ISSUED		AC	29/08/14	CHECKED:					DRAWN: AC			
							APPROVED:		SURVEYED: WOODS			
							JOB NUMBER: 33302 – P3 –2A		SCALE: 1:1000 @ A3			
							ISSUED: AUG 2014					
								DWG. NO. 33302-2A-AB-600		REV.		


LEGEND


EXISTING WATERMAIN ———

NEW WATERMAIN ———

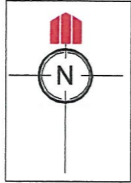
SLUICE VALVE SV 

PEET VALVE PV 

FIRE HYDRANT FH 

BLANK CAP BC1 

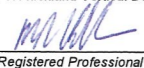
STAGE BOUNDARY - - - - -



- NOTES**
1. ALL WORK AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
 2. PIPE BEDDING COMPLIES WITH AC STD DETAIL DRAWING 18000 SHEET 4.4 UNLESS OTHERWISE NOTED.
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 4. ALL PIPES ARE LAID 1.4m OFF THE ROAD RESERVE BOUNDARY IN THE COMMON SERVICE TRENCH.
 5. ALL PIPES ARE PE80 SDR11 PN12.5 UNLESS OTHERWISE NOTED.
 6. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
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I certify that these As-built Plans are an accurate record of the works undertaken and that:

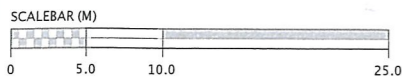
- The coordinates (X,Y) are in terms of NZTM on NZGD2000
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed: 
Registered Professional Surveyor

Date: 29/08/2014

Name: ROWAN HALLAM

DISCLAIMER:
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WFH PROPERTIES LTD AND WOOD AND PARTNERS CONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY BUILDING DESIGN OR CONSTRUCTION WORK BASED ON THIS DRAWING FILE.



REVISION DETAILS	NAME	DATE	CLIENT:
1 DRAWING ISSUED	AC	29/08/14	



MILLWATER – PRECINCT 3 – STAGE 2A
WATER RETICULATION ASBUILT PLAN
SHEET 1 OF 3

AUCKLAND COUNCIL



DESIGNED:	ASBUILT
CHECKED:	DRAWN: AC
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 – P3 – 2A	SCALE: 1:500 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-601	REV. 1

NOTES

1. ALL WORK AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
2. PIPE BEDDING COMPLIES WITH AC STD DETAIL DRAWING 18000 SHEET 4.4 UNLESS OTHERWISE NOTED.
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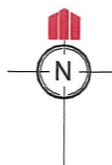
I certify that these As-built Plans are an accurate record of the works undertaken and that:

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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

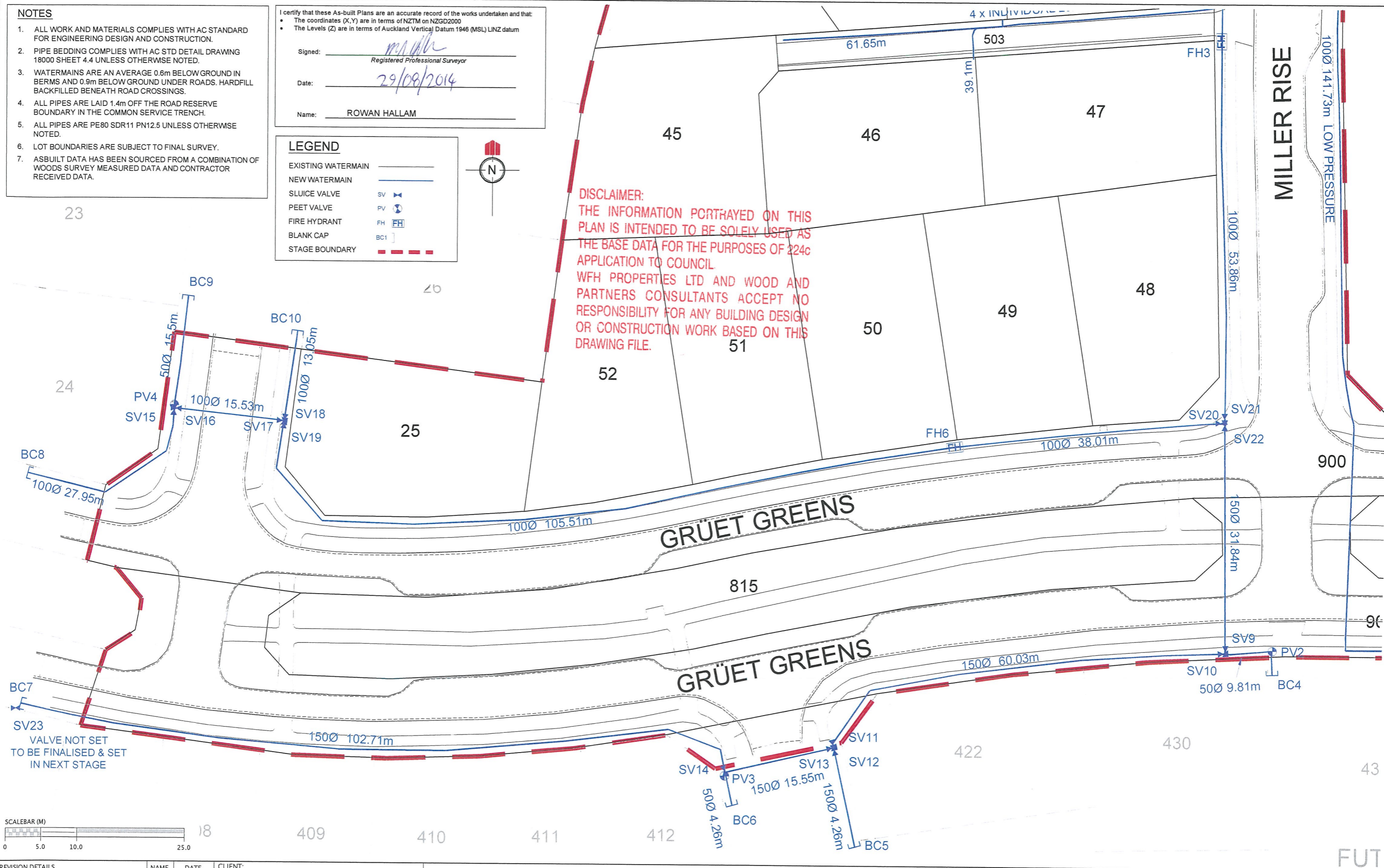
Signed: MAH
Registered Professional Surveyor
Date: 29/08/2014
Name: ROWAN HALLAM

LEGEND

EXISTING WATERMAIN
NEW WATERMAIN
SLUICE VALVE
PEET VALVE
FIRE HYDRANT
BLANK CAP
STAGE BOUNDARY



DISCLAIMER:
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REVISION DETAILS	NAME	DATE	CLIENT:
1 DRAWING ISSUED	AC	29/08/14	



MILLWATER – PRECINCT 3 – STAGE 2A

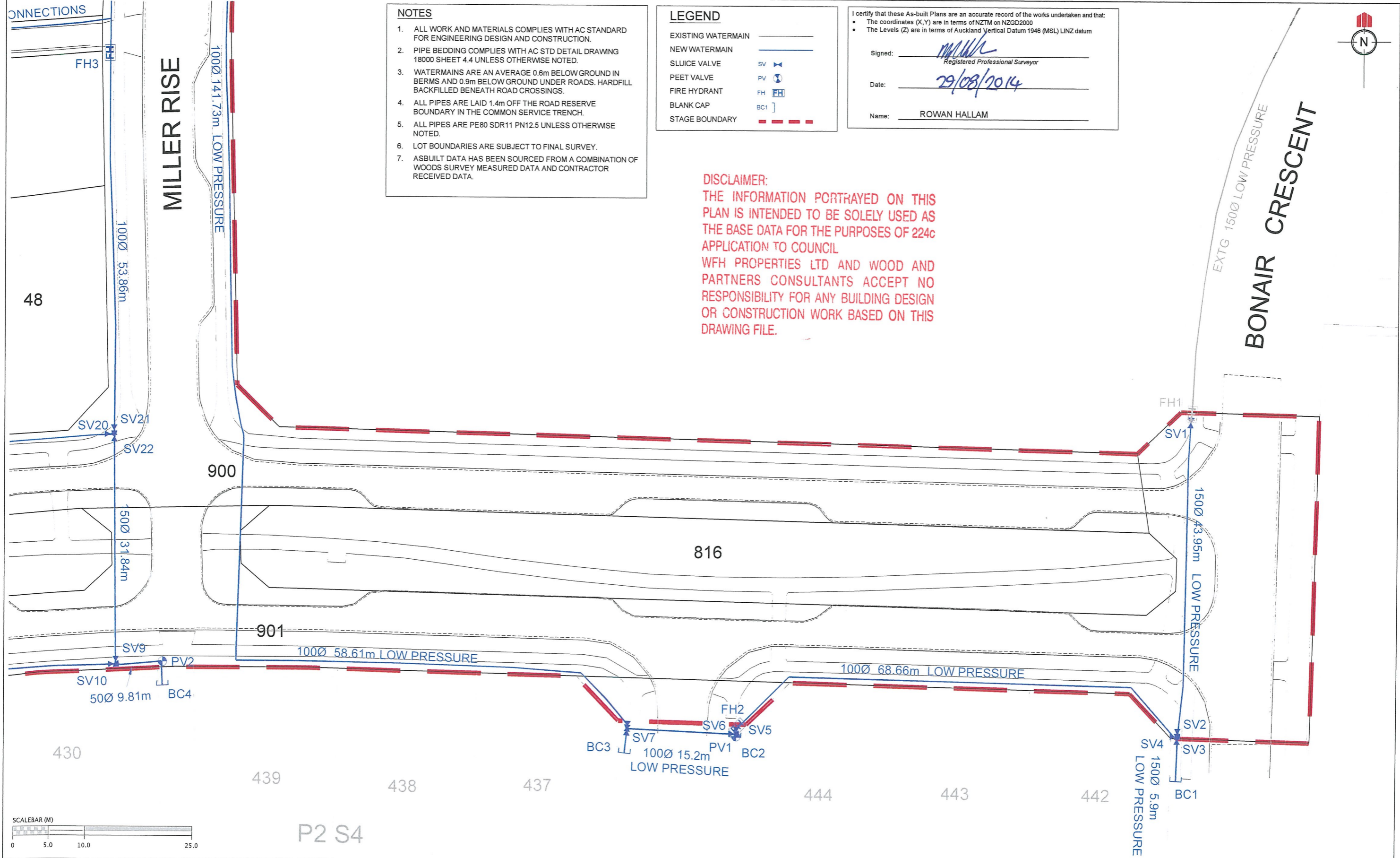
WATER RETICULATION ASBUILT PLAN
SHEET 2 OF 3

AUCKLAND COUNCIL



WOODS
Engineers. Surveyors. Planners.

DESIGNED:	ASBUILT
CHECKED:	DRAWN: AC
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 - P3 - 2A	SCALE: 1:500 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-602	REV.



REVISION DETAILS		NAME	DATE	CLIENT:
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WFH PROPERTIES		MILLWATER – PRECINCT 3 – STAGE 2A WATER RETICULATION ASBUILT PLAN SHEET 3 OF 3		WOODS Engineers. Surveyors. Planners.	
AUCKLAND COUNCIL					

DESIGNED:	ASBUILT
CHECKED:	DRAWN: AC
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 33302 - P3 -2A	SCALE: 1:500 @ A3
ISSUED: AUG 2014	
DWG. NO. 33302-2A-AB-603	REV.