

# MILLWATER - PRECINCT 2 STAGE 2A

## AS-BUILT DRAWINGS

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MILLWATER - PRECINCT 2 STAGE 02A AS-BUILT DRAWINGS	
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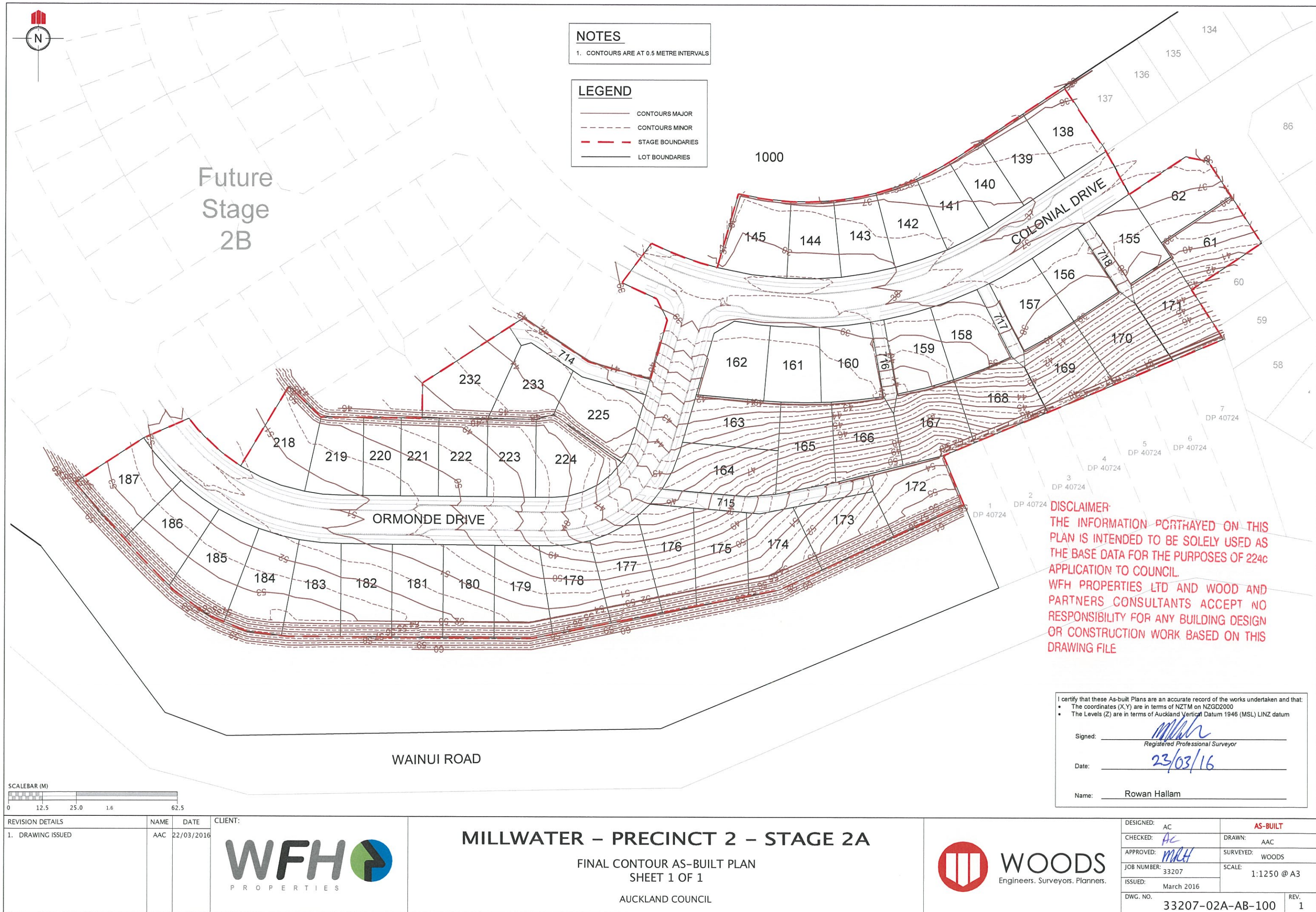
### LOCATION PLAN

NOT TO SCALE

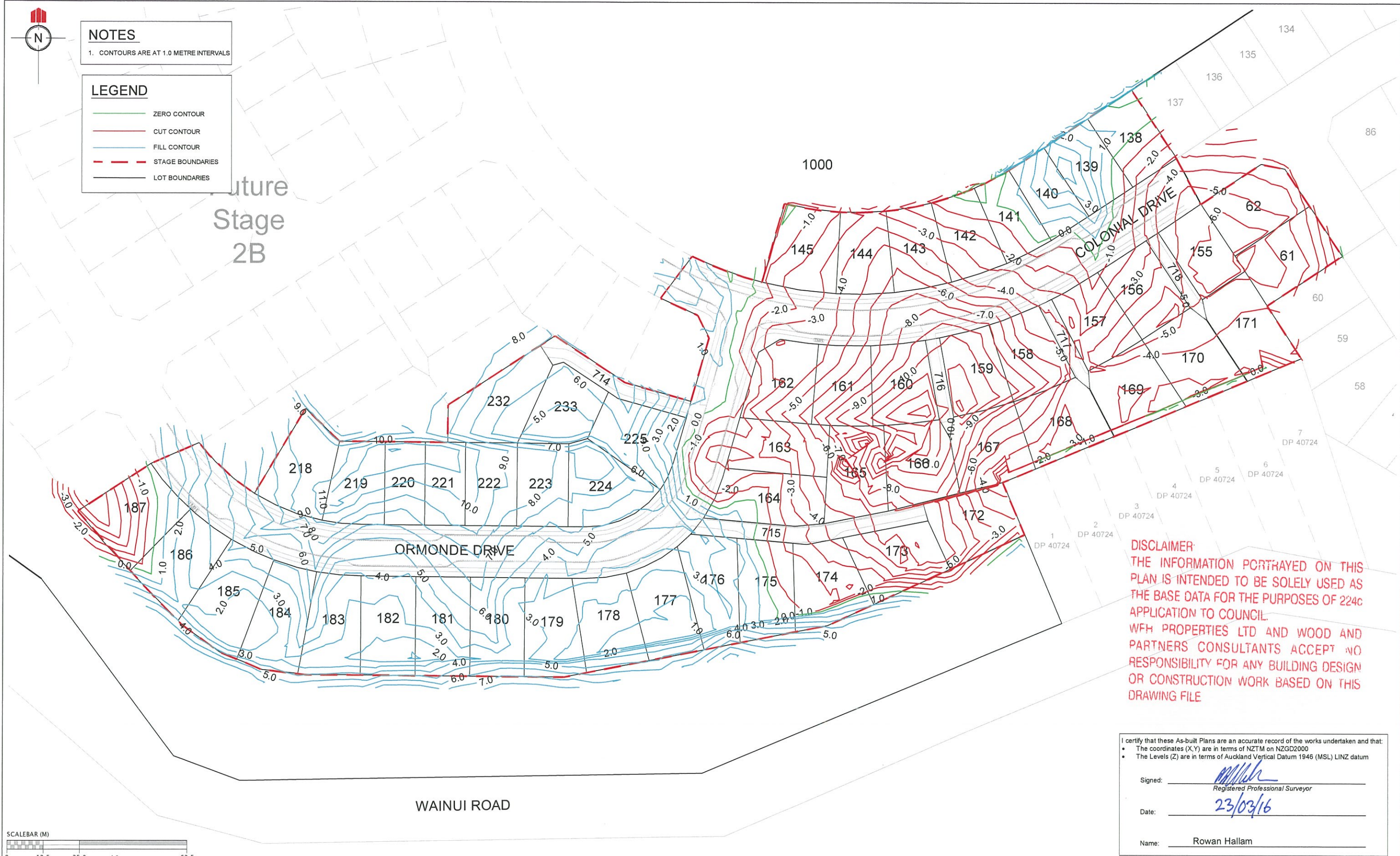
**DISCLAIMER:**  
 THE INFORMATION PORTRAYED ON THIS  
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 THE BASE DATA FOR THE PURPOSES OF 224c  
 APPLICATION TO COUNCIL.  
 WFH PROPERTIES LTD AND WOOD AND  
 PARTNERS CONSULTANTS ACCEPT NO  
 RESPONSIBILITY FOR ANY BUILDING DESIGN  
 OR CONSTRUCTION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











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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

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: 23/03/16

Name: Rowan Hallam

REVISION DETAILS	NAME	DATE	CLIENT:
1. Drawing issued	AAC	22/03/16	

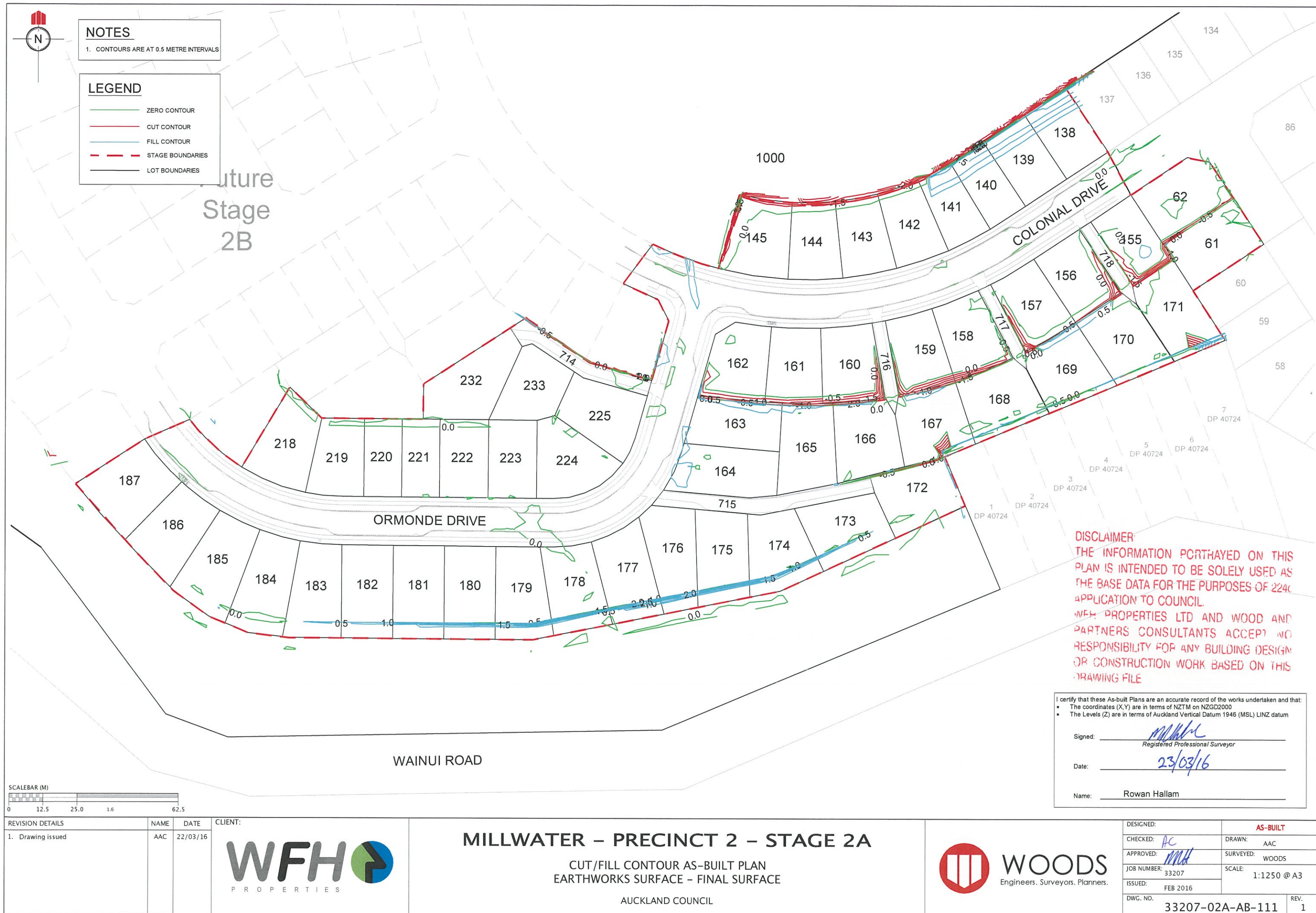


**MILLWATER – PRECINCT 2 – STAGE 2A**  
CUT/FILL CONTOUR AS-BUILT PLAN  
ORIGINAL SURFACE – EARTHWORKS SURFACE  
AUCKLAND COUNCIL

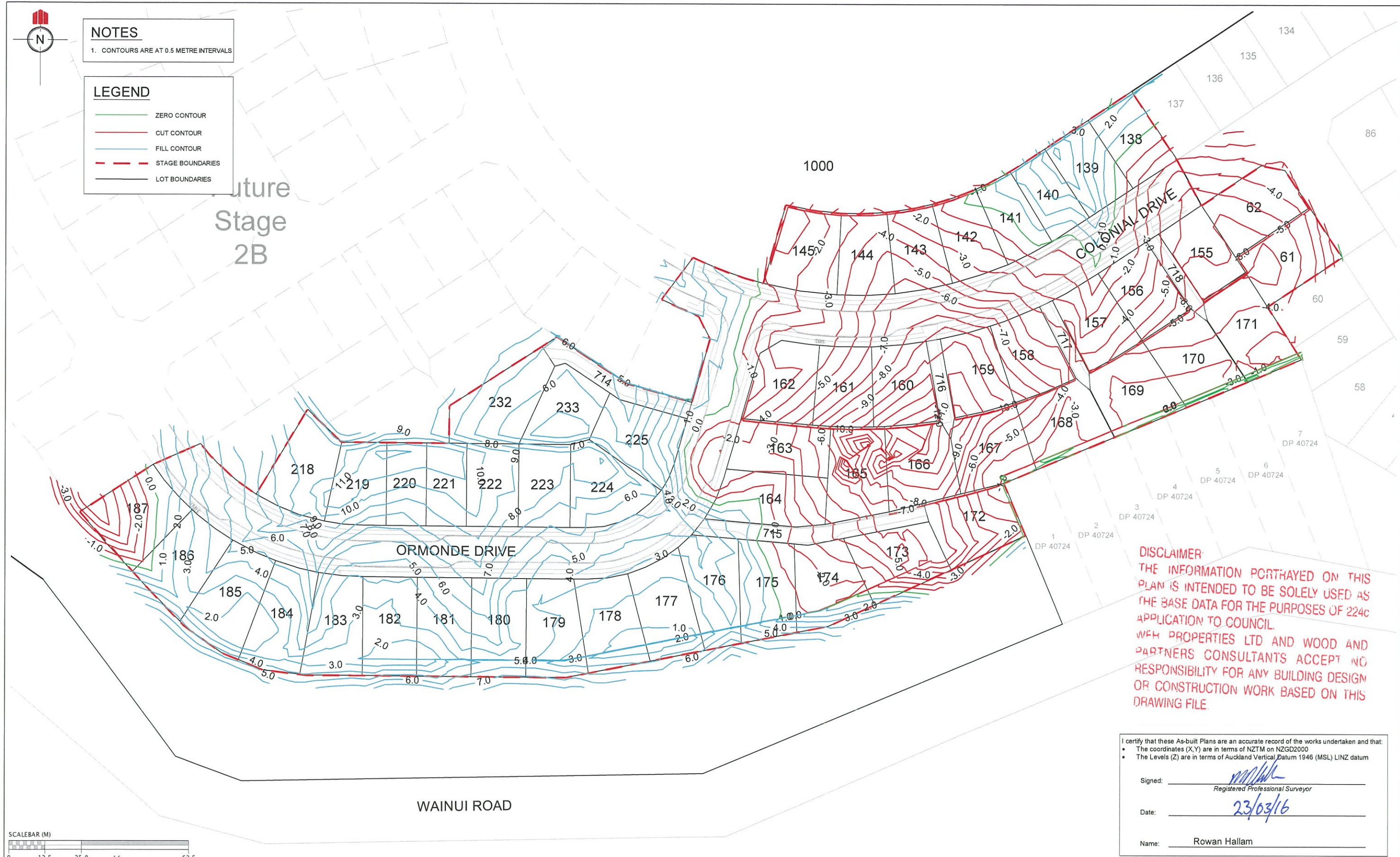


DESIGNED:	AS-BUILT
CHECKED: <u>AC</u>	DRAWN: AAC
APPROVED: <u>WMA</u>	SURVEYED: WOODS
JOB NUMBER: 33207	SCALE: 1:1250 @ A3
ISSUED: FEB 2016	
DWG. NO. 33207-02A-AB-110	REV. 1









REVISION DETAILS		NAME	DATE	CLIENT:
1. Drawing issued		AAC	22/03/16	



MILLWATER – PRECINCT 2 – STAGE 2A

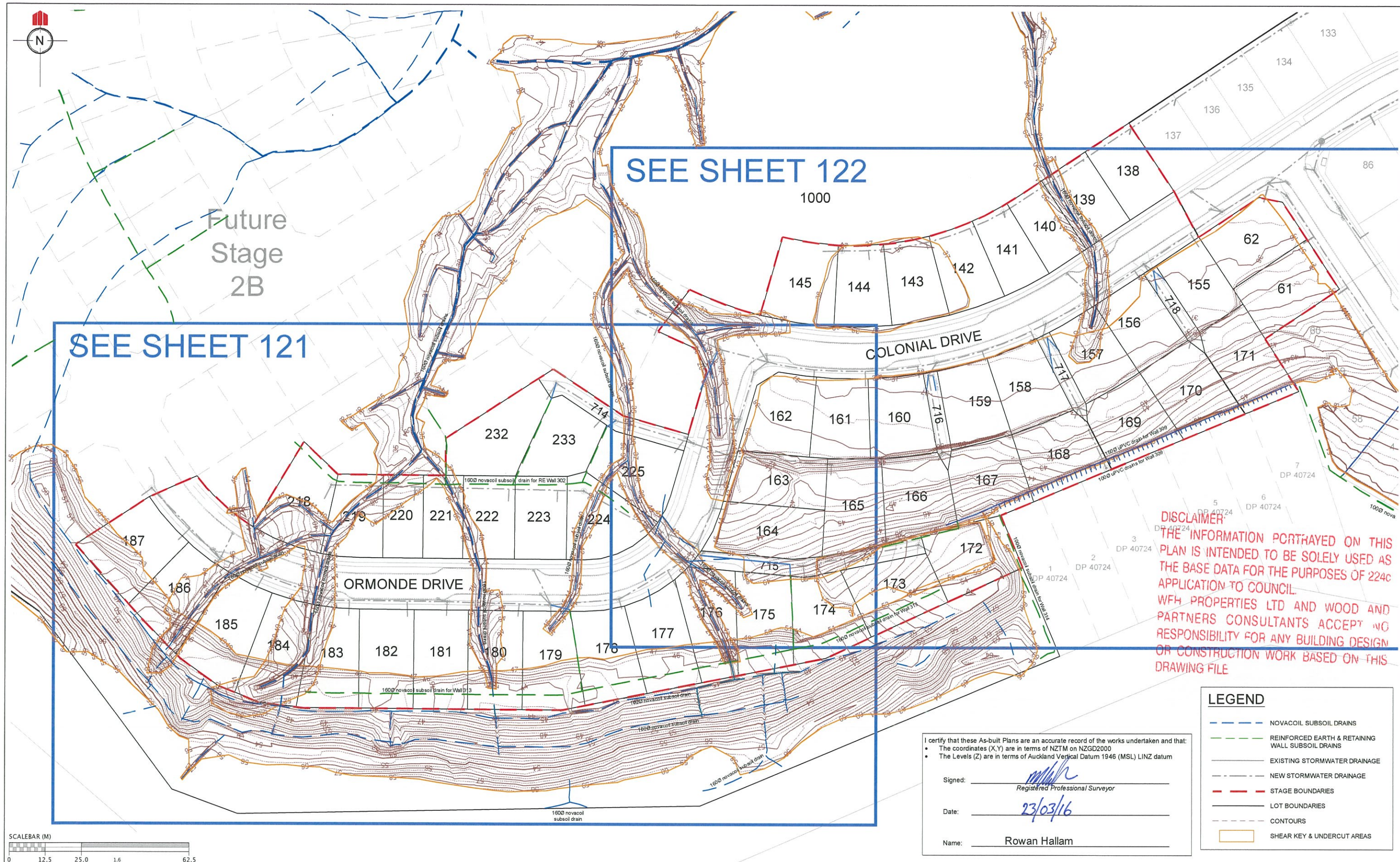
CUT/FILL CONTOUR AS-BUILT PLAN  
ORIGINAL SURFACE – FINAL SURFACE

AUCKLAND COUNCIL



DESIGNED:	AS-BUILT
CHECKED: AC	DRAWN: AAC
APPROVED: MWH	SURVEYED: WOODS
JOB NUMBER: 33207	SCALE: 1:1250 @ A3
ISSUED: FEB 2016	
DWG. NO. 33207-02A-AB-112	REV. 1





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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

LEGEND	
	NOVACOIL SUBSOIL DRAINS
	REINFORCED EARTH & RETAINING WALL SUBSOIL DRAINS
	EXISTING STORMWATER DRAINAGE
	NEW STORMWATER DRAINAGE
	STAGE BOUNDARIES
	LOT BOUNDARIES
	CONTOURS
	SHEAR KEY & UNDERCUT AREAS

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

Signed:   
Registered Professional Surveyor

Date: 23/03/16

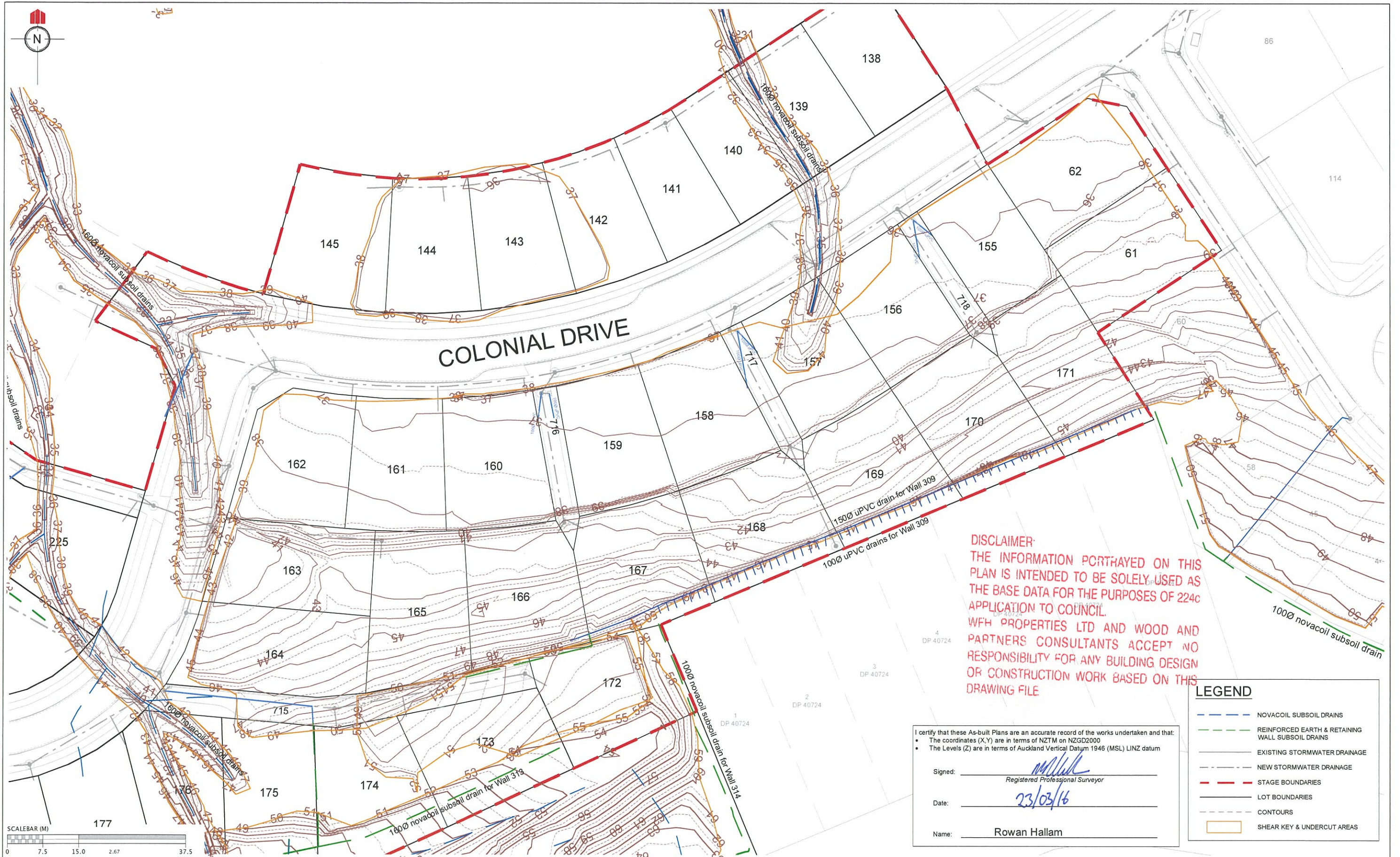
Name: Rowan Hallam

REVISION DETAILS		NAME	DATE	CLIENT:
1. Drawing issued		AAC	22/03/2016	
<b>MILLWATER – PRECINCT 2 –STAGE 2A</b>				
SHEAR KEY, UNDERCUT & SUBSOIL DRAINS AS-BUILT OVERALL PLAN				
SHEET 1 OF 3				
AUCKLAND COUNCIL				
			DESIGNED: <u>AC</u>	
			DRAWN: AAC	
			APPROVED:	
			SURVEYED: WOODS	
			JOB NUMBER: 33207	
			SCALE: 1:1250 @ A3	
			ISSUED: MARCH 2016	
			DWG. NO. 33207-2A-AB-120	
			REV. 1	









REVISION DETAILS		NAME	DATE	CLIENT:
1. Drawing issued		AAC	22/03/2016	



**MILLWATER – PRECINCT 2 –STAGE 2A**  
SHEAR KEY, UNDERCUT & SUBSOIL DRAINS AS-BUILT  
SHEET 3 OF 3  
AUCKLAND COUNCIL



DESIGNED:	ASBUILT
CHECKED:	AAC
APPROVED:	WOODS
JOB NUMBER:	33207
ISSUED:	MARCH 2016
DWG. NO.	33207-2A-AB-122
REV.	1

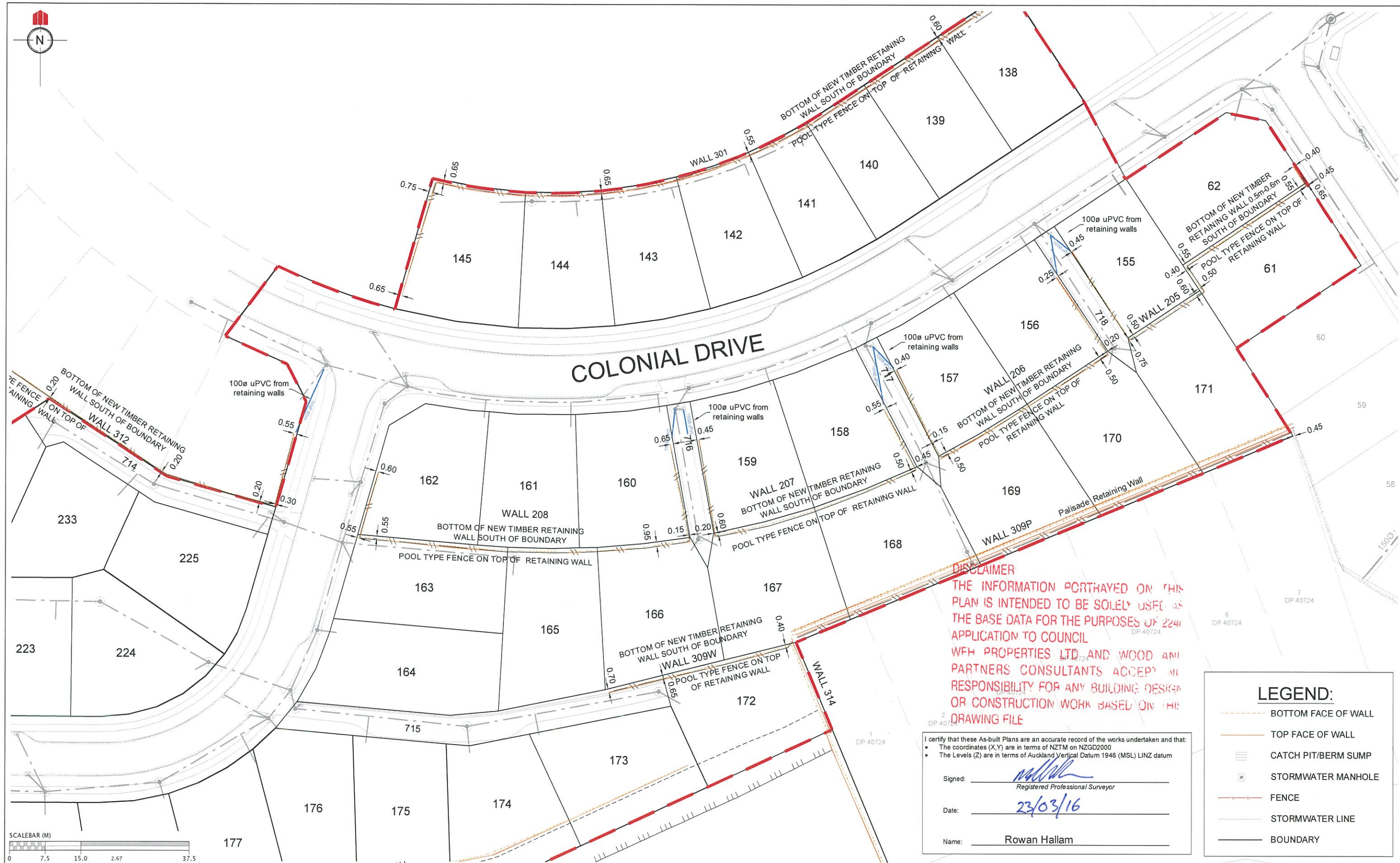












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WFH PROPERTIES LTD AND WOODS PARTNERS CONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY BUILDING DESIGN OR CONSTRUCTION WORK BASED ON THIS DRAWING FILE

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

Signed: *[Signature]*  
Registered Professional Surveyor

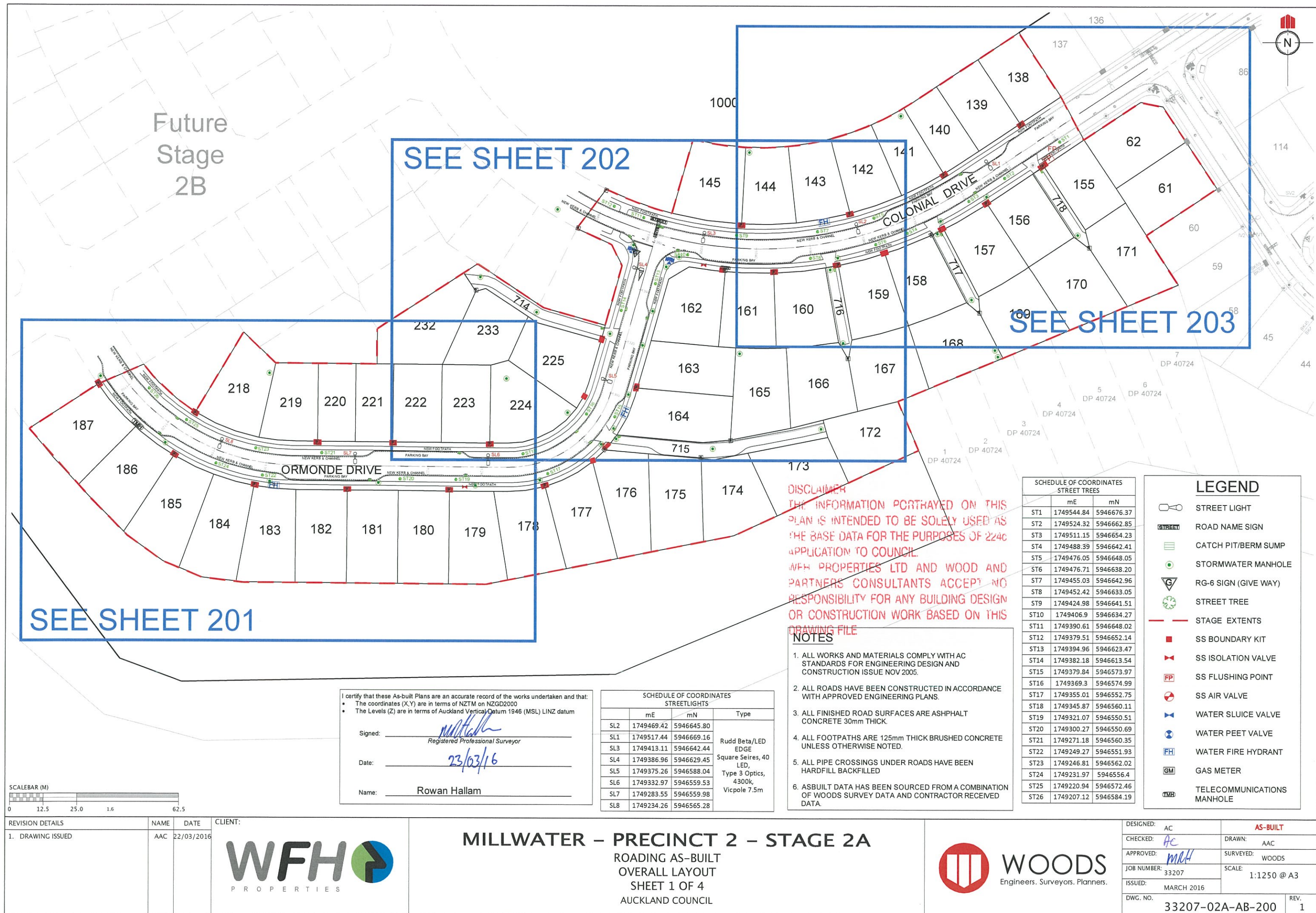
Date: 23/03/16

Name: Rowan Hallam

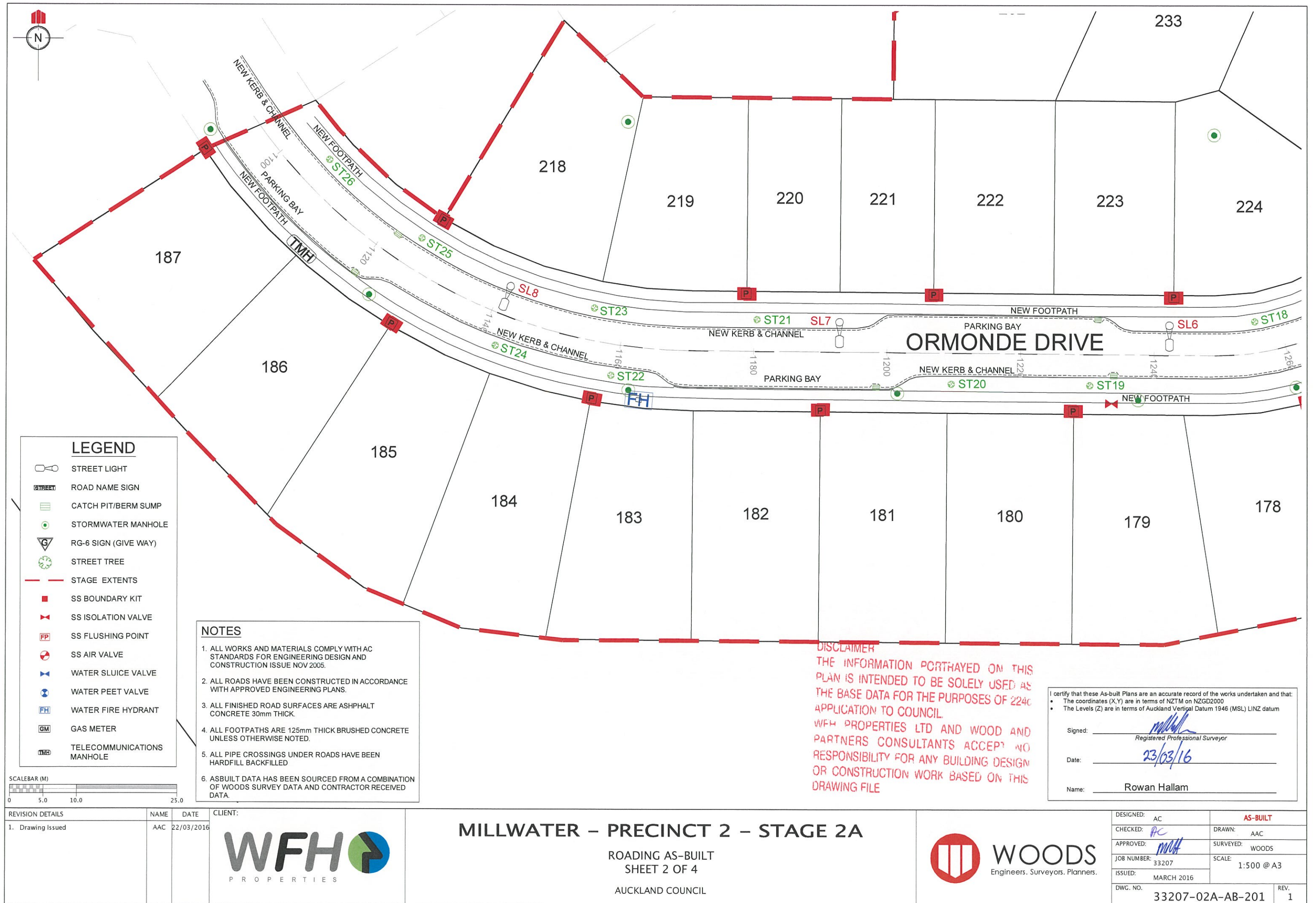
LEGEND:	
	BOTTOM FACE OF WALL
	TOP FACE OF WALL
	CATCH PIT/BERM SUMP
	STORMWATER MANHOLE
	FENCE
	STORMWATER LINE
	BOUNDARY

<b>REVISION DETAILS</b> 1. Drawing issued		NAME AAC	DATE 22/03/2016	CLIENT: 	<b>MILLWATER – PRECINCT 2 –STAGE 2A</b> RETAINING WALL AS-BUILT PLAN SHEET 3 OF 3 AUCKLAND COUNCIL		<b>WOODS</b> Engineers. Surveyors. Planners.		DESIGNED: <i>[Signature]</i>	ASBUILT
									CHECKED: <i>[Signature]</i>	DRAWN: AAC
									APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
									JOB NUMBER: 33207	SCALE: 1:750 @ A3
									ISSUED: MARCH 2016	
									DWG. NO. 33207-2A-AB-132	REV. 1

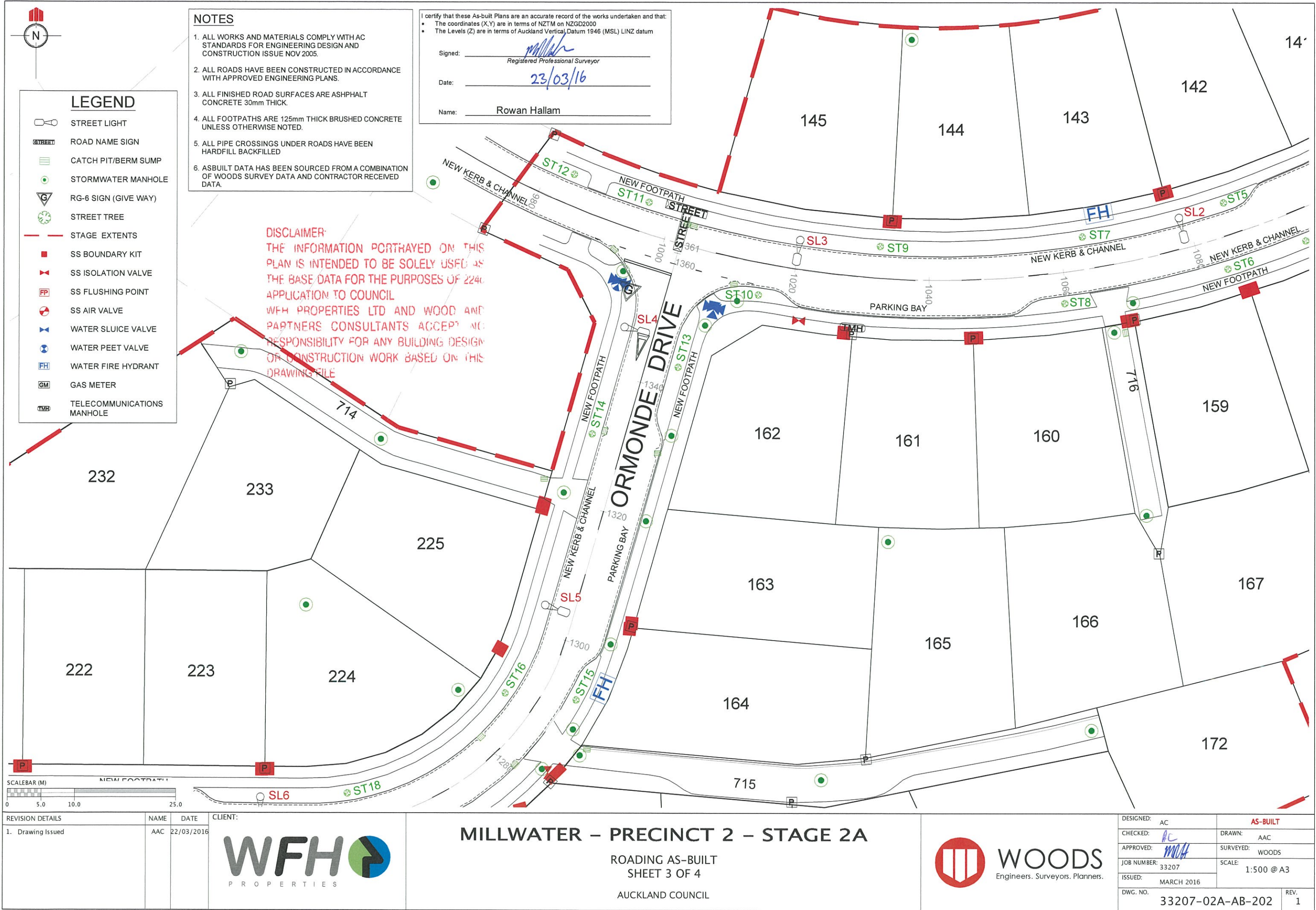




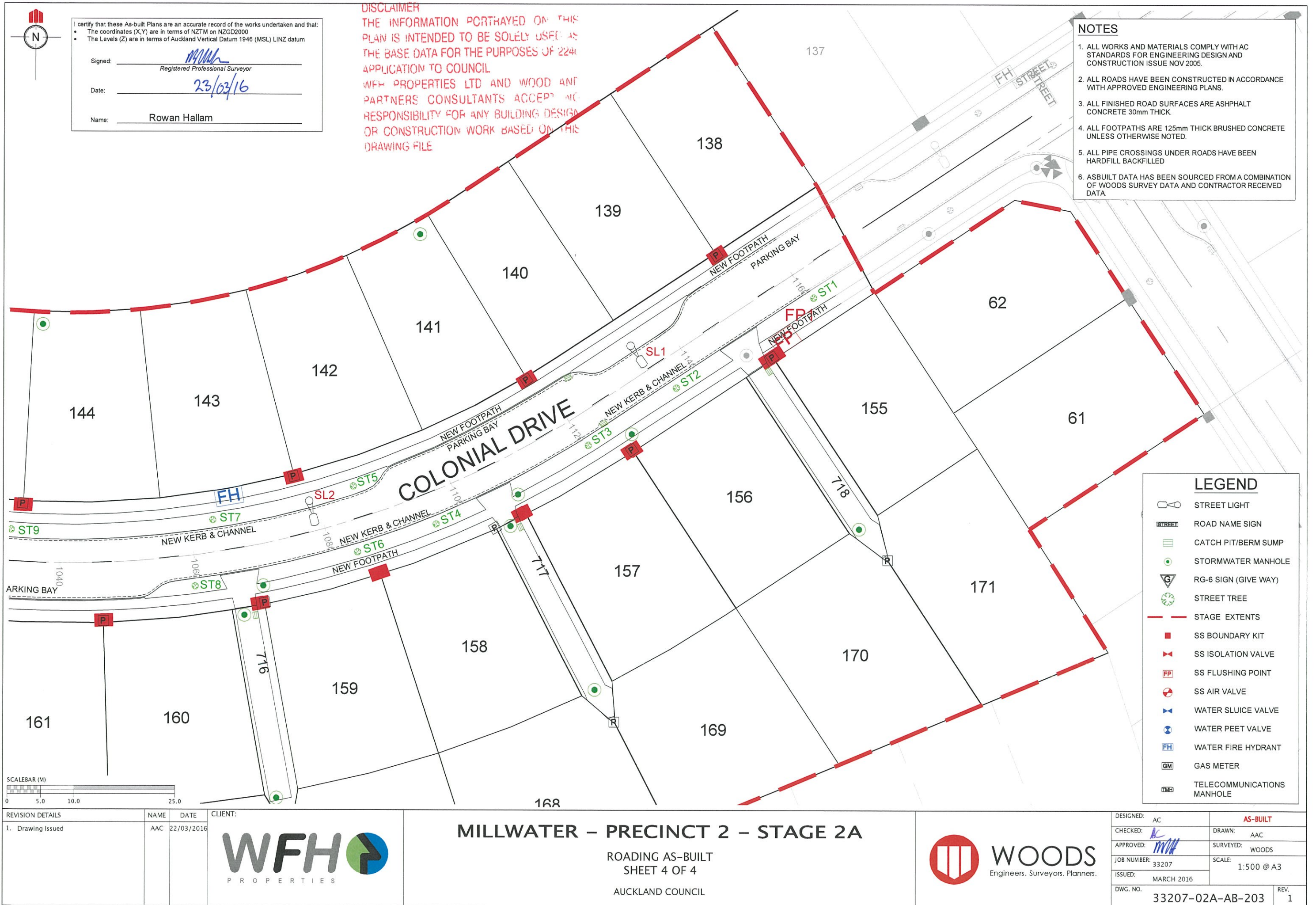








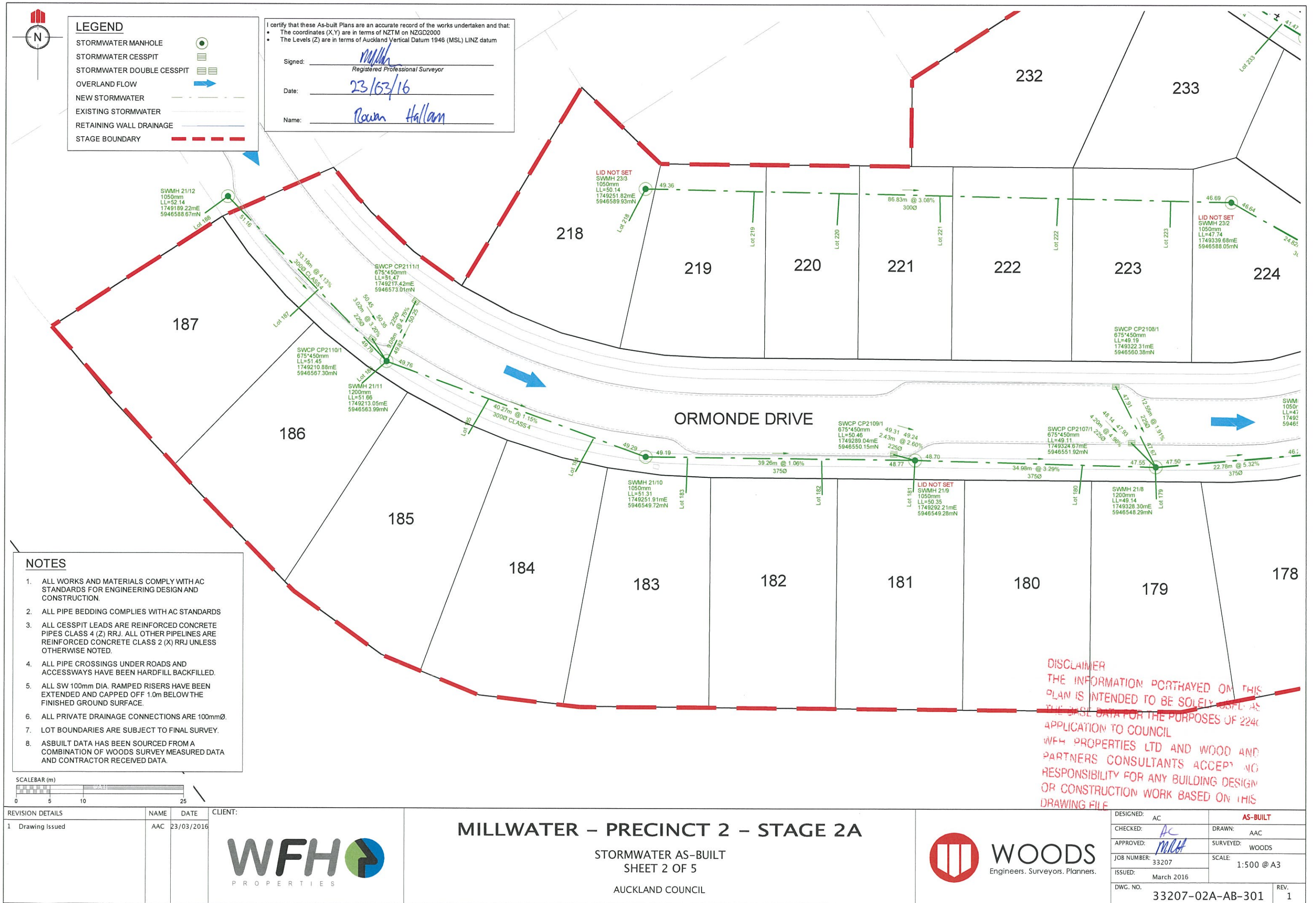




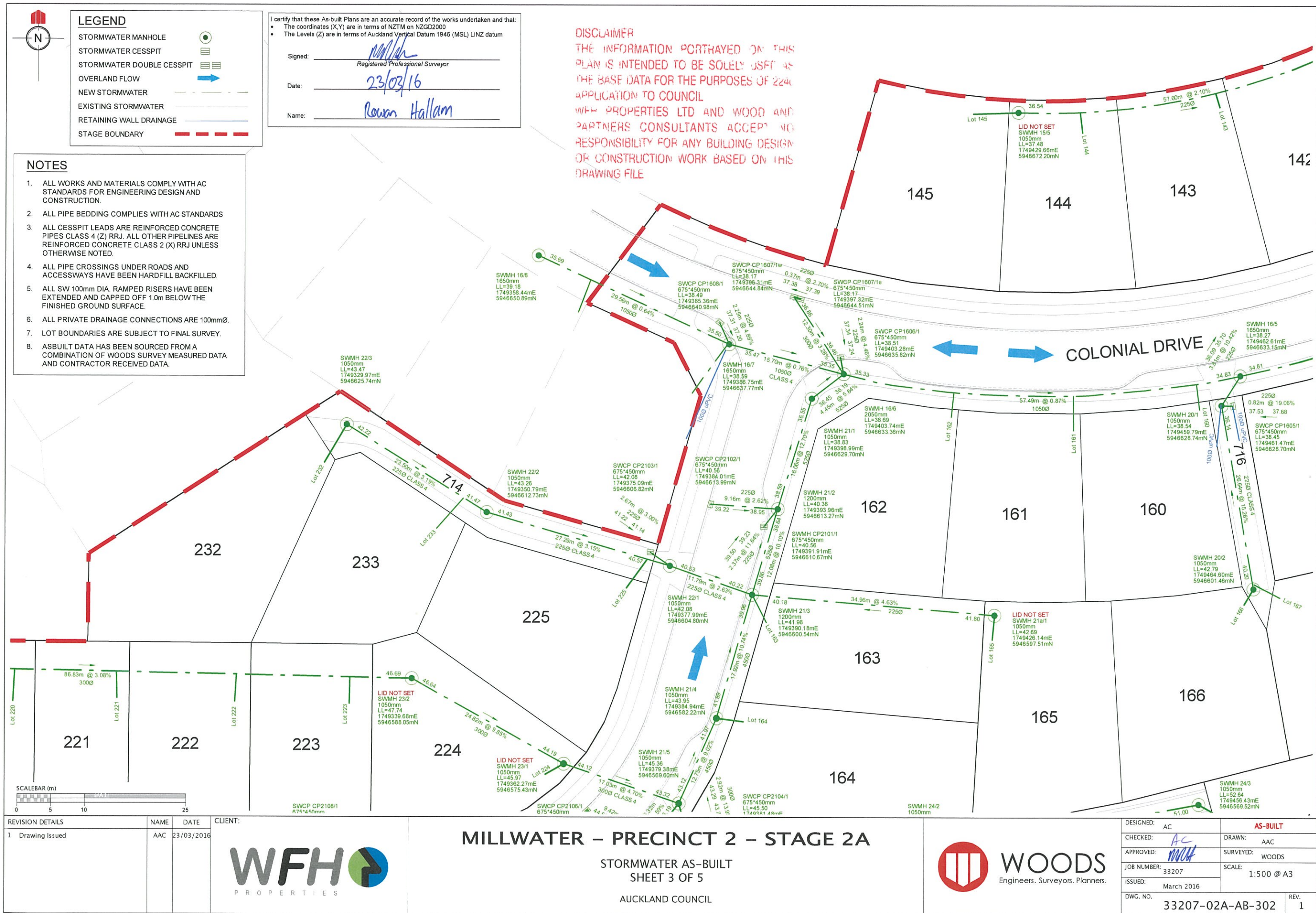




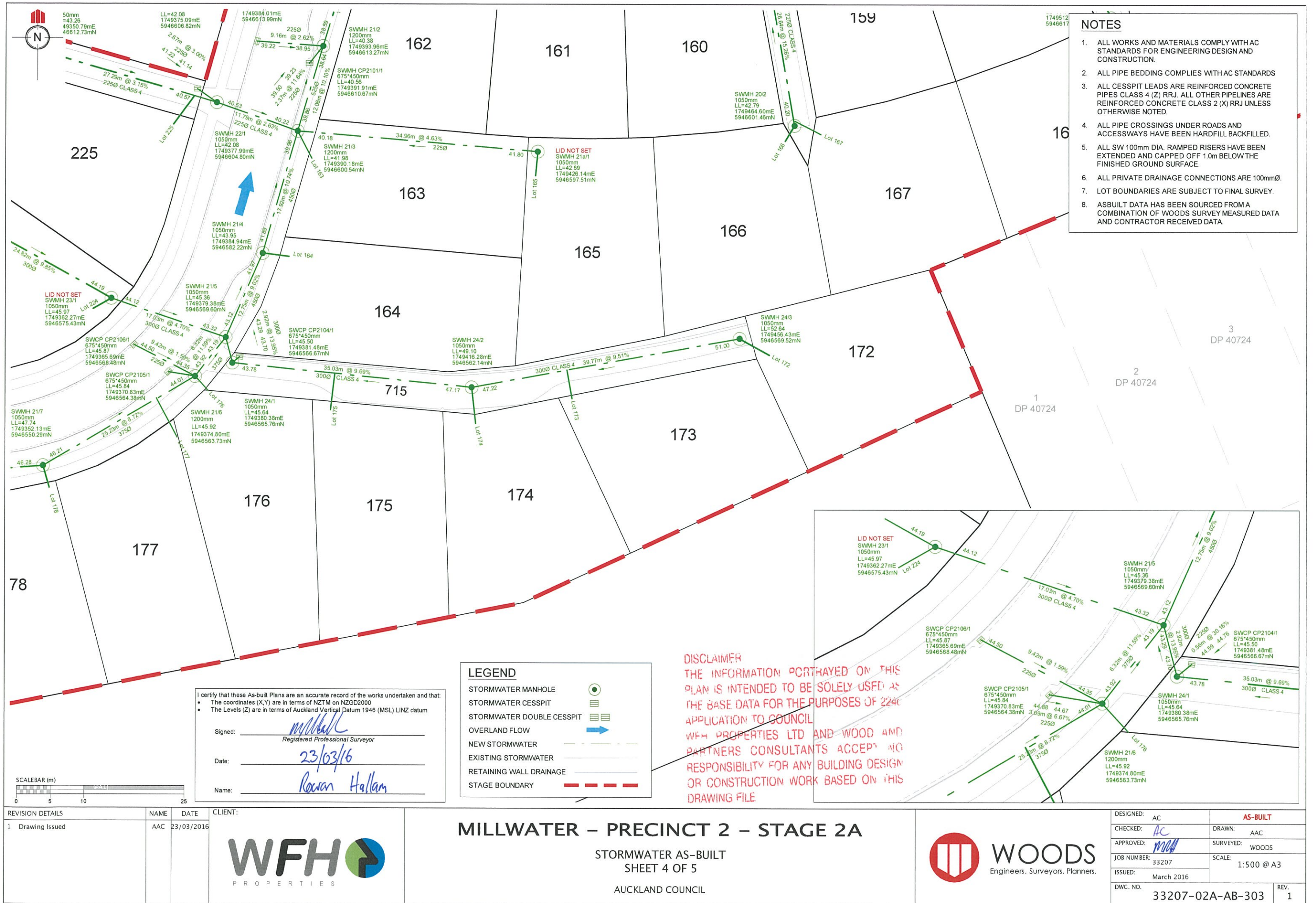




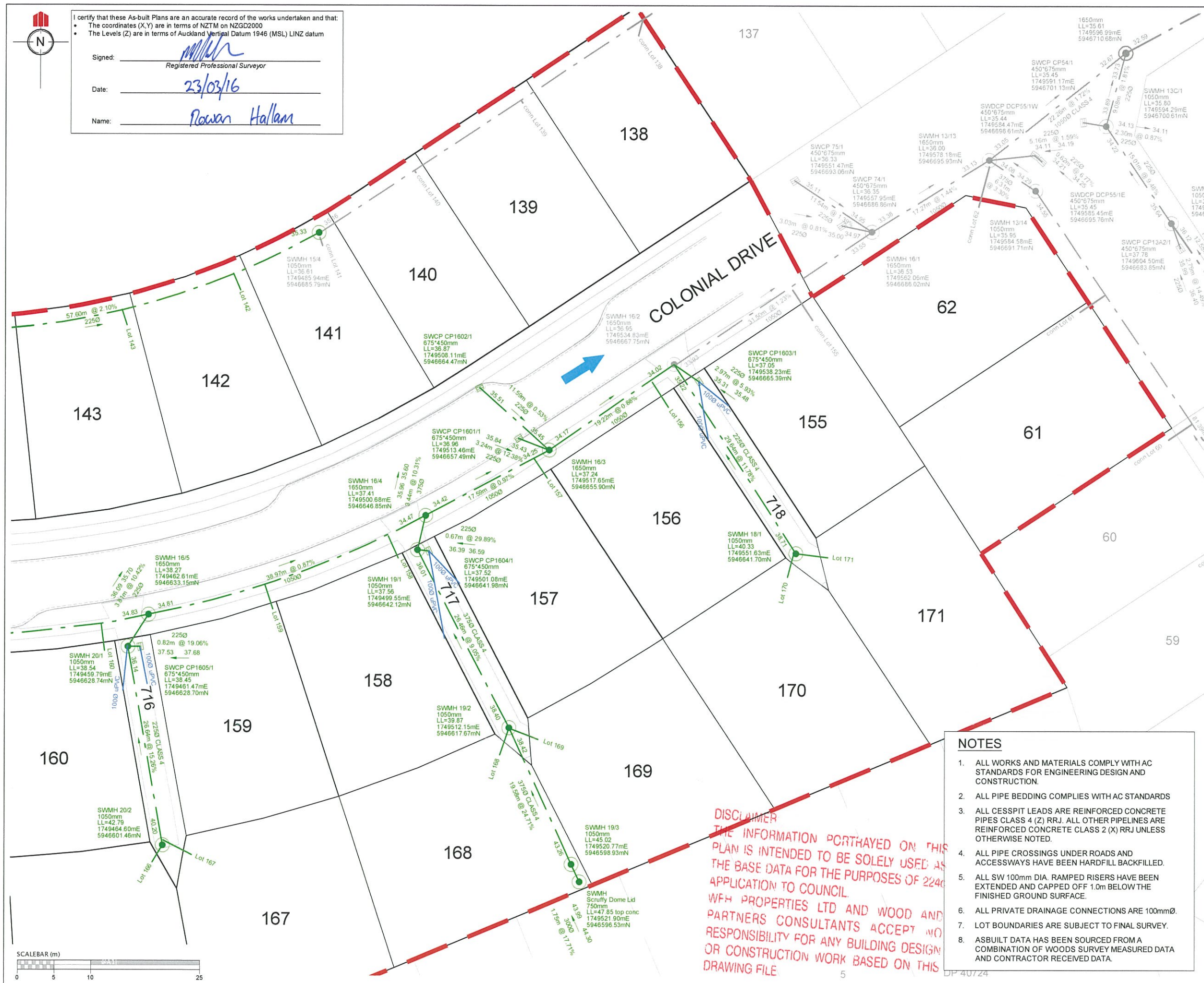












REVISION DETAILS		NAME	DATE
1. DRAWING ISSUED		AAC	23/03/16

LEGEND	
STORMWATER MANHOLE	
STORMWATER CESSPIT	
STORMWATER DOUBLE CESSPIT	
OVERLAND FLOW	
NEW STORMWATER	
EXISTING STORMWATER	
RETAINING WALL DRAINAGE	
STAGE BOUNDARY	

CLIENT:

**WFH**  
PROPERTIES

**WOODS**  
Engineers. Surveyors. Planners.

**MILLWATER  
PRECINCT 2  
STAGE 2A**

**STORMWATER AS-BUILT  
SHEET 5 of 5**

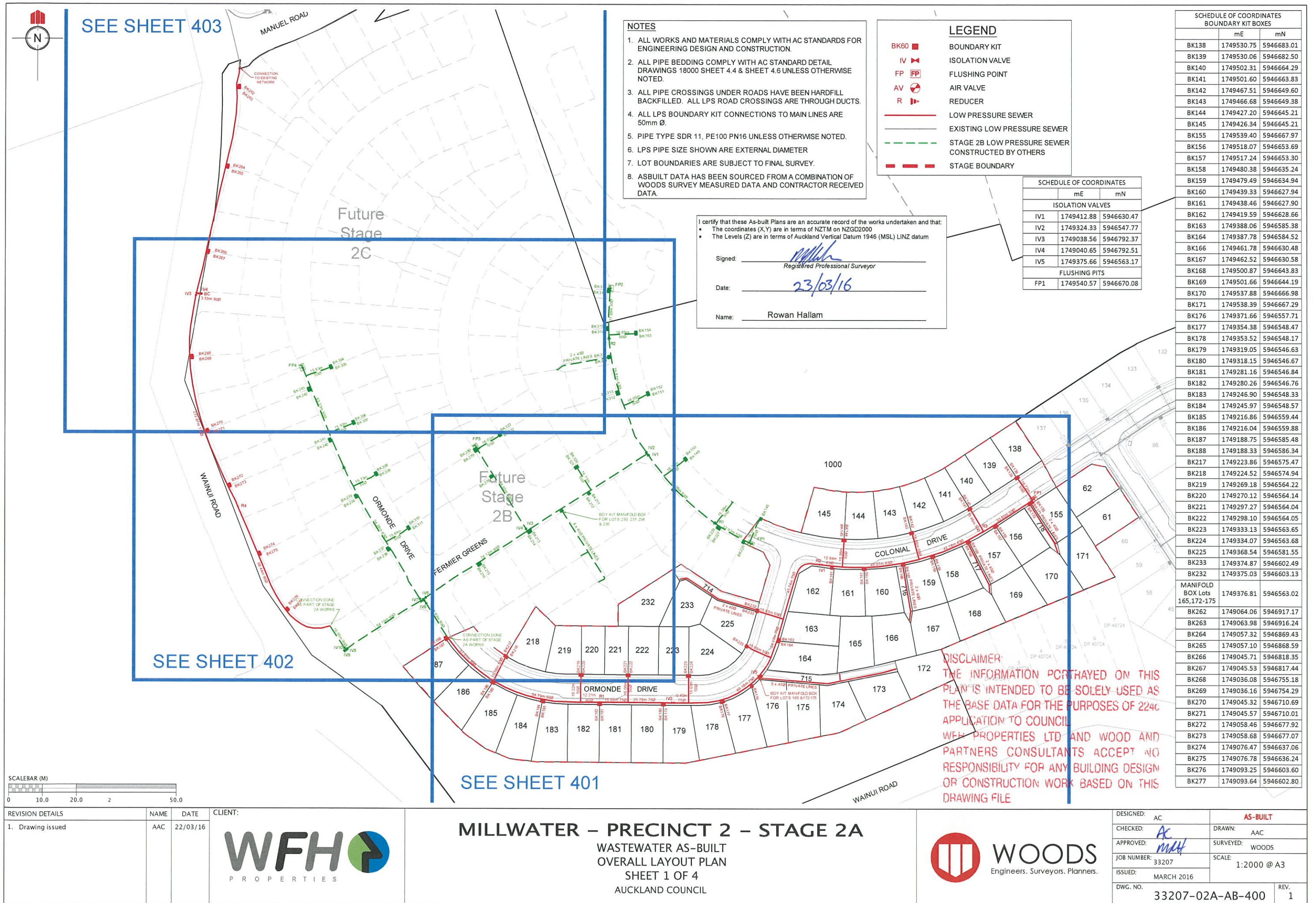
AUCKLAND COUNCIL

DESIGNED: AC	AS-BUILT
CHECKED: AC	DRAWN: AAC
APPROVED: MRA	SURVEYED: WOODS
JOB NUMBER: 33207	SCALE: 1:500 @ A3
ISSUED: March 2016	
DWG. NO. 33207-S02A-AB-304	REV. 1

- NOTES**
- ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
  - ALL PIPE BEDDING COMPLIES WITH AC STANDARDS
  - ALL 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.

**DISCLAIMER**  
THE INFORMATION PORTRAYED ON THIS 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









NAME	DATE
AAC	22/03/16



## MILLWATER – PRECINCT 2 – STAGE 2A

WASTEWATER AS-BUILT  
SHEET 2 OF 4

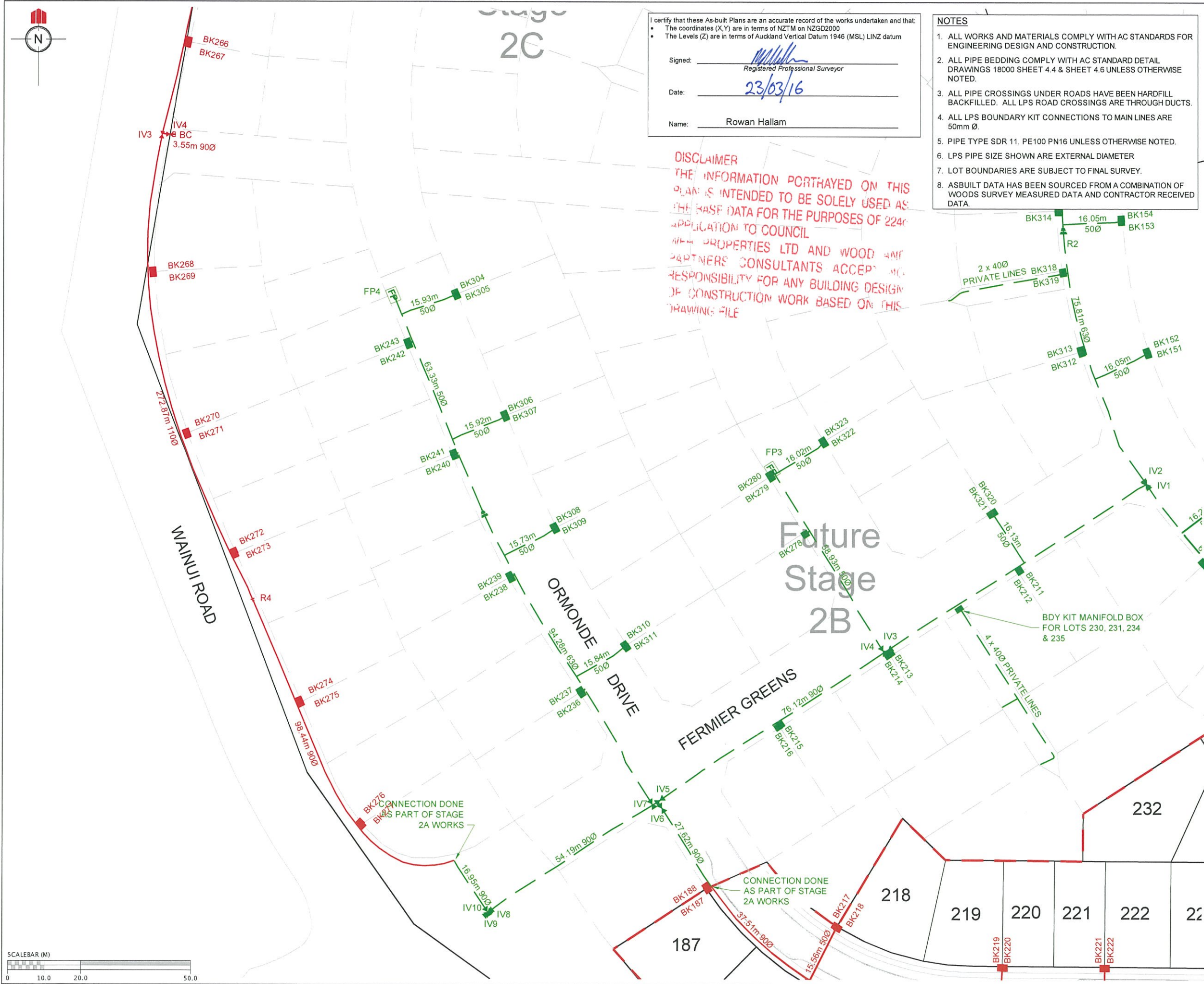
AUCKLAND COUNCIL



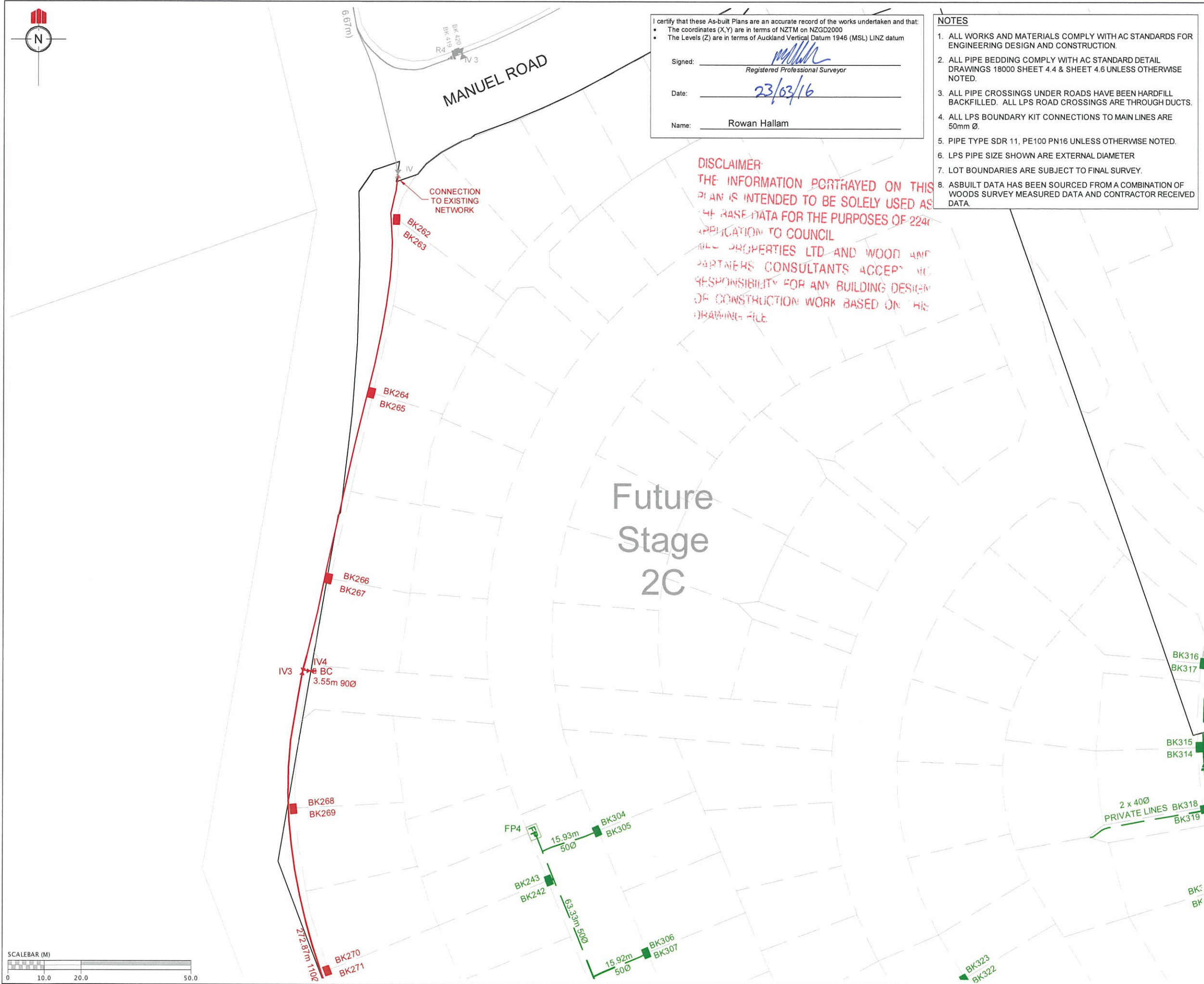
**WOODS**  
Engineers. Surveyors. Planners.

DESIGNED:	AC	AS-BUILT	
CHECKED:	PC	DRAWN:	AAC
APPROVED:	MMH	SURVEYED:	WOODS
JOB NUMBER:	33207	SCALE:	1:1000 @ A3
ISSUED:	MARCH 2016		
DWG. NO.	33207-02A-AB-401		REV. 1









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

Signed: \_\_\_\_\_  
Registered Professional Surveyor

Date: 23/03/16

Name: Rowan Hallam

- 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.

REVISION DETAILS	NAME	DATE
1. DRAWING ISSUED	AAC	22/03/16

LEGEND	
BK60	BOUNDARY KIT
IV	ISOLATION VALVE
FP	FLUSHING POINT
AV	AIR VALVE
R	REDUCER
---	LOW PRESSURE SEWER
---	EXISTING LOW PRESSURE SEWER
---	STAGE 2B LOW PRESSURE SEWER CONSTRUCTED BY OTHERS
---	STAGE BOUNDARY

CLIENT:

**WFH** PROPERTIES

**WOODS**  
Engineers. Surveyors. Planners.

MILLWATER  
PRECINCT 2  
STAGE 2A

WASTEWATER AS-BUILT  
SHEET 4 OF 4

AUCKLAND COUNCIL

DESIGNED: AC	AS-BUILT
CHECKED: AC	DRAWN: AAC
APPROVED: MCH	SURVEYED: WOODS
JOB NUMBER: 33207	SCALE: 1:1000 @ A3
ISSUED: MARCH 2016	
DWG. NO. 33207-02A-AB-403	REV. 1



