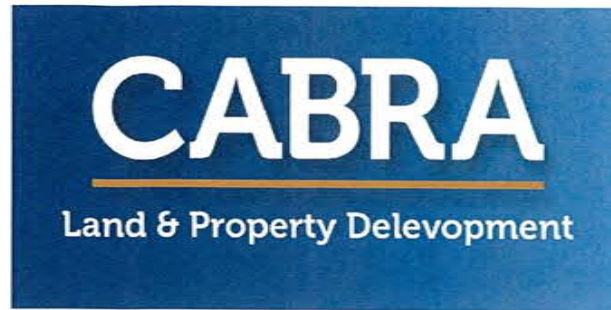


CLIENT:



COUNCIL:



KAREPIRO DEVELOPMENT STAGES 2Bi & 4i

AS-BUILT DRAWINGS FOR 224C
FEBRUARY 2016



KAREPIRO DEVELOPMENT

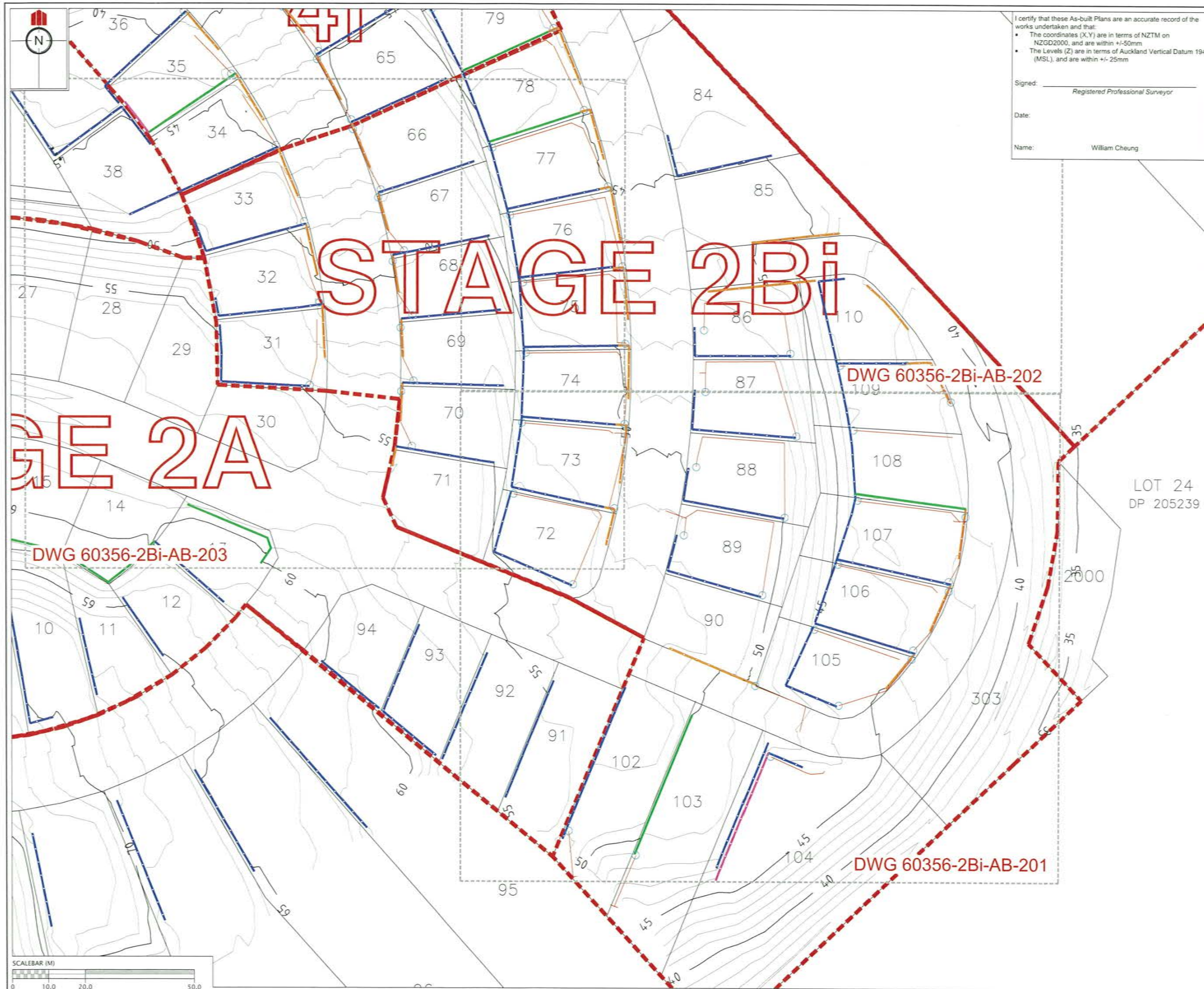
CONTENT INDEX AND LOCALITY PLAN

SHEET NO.	SHEET TITLE
60356-2Bi-4i- AB- 000 to 001	Cover and Index Plans
STAGE 2Bi PLANS	
60356-2Bi- AB- 150 to 153	Retaining Wall Layout Plan
60356-2Bi- AB- 200 to 203	Roading Plans
60356-2Bi- AB- 250 to 251	Typical Road Cross Sections
60356-2Bi- AB- 300 to 303	Stormwater Drainage Plans
60356-2Bi- AB- 310 to 313	Wastewater Drainage Plans
60356-2Bi- AB- 390	Overland Flow Path Plans
60356-2Bi- AB- 600 to 603	Water Reticulation Plans
STAGE 4i PLANS	
60356-4i- AB- 150	Retaining Wall Layout Plan
60356-4i- AB- 200	Roading Plans
60356-4i- AB- 240	Roading Undercut Plans
60356-4i- AB- 250 to 251	Typical Road Cross Sections
60356-4i- AB- 300	Stormwater Drainage Plans
60356-4i- AB- 310	Wastewater Drainage Plans
60356-4i- AB- 390	Overland Flow Path Plans
60356-4i- AB- 600	Water Reticulation Plans
GENERAL PLANS	
60356-2Bi-4i- AB- 380	Stormwater to be Vested in Future Stage Plan
60356-2Bi-4i- AB- 385	Wastewater to be Vested in Future Stage Plan



LOCATION PLAN

1:5000 @ A3



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR ASBUILT	BP	26/2/16

LEGEND

	CONTOURS (1.0m INTERVAL)
	RETAINING WALL TYPE D
	RETAINING WALL TYPE E
	RETAINING WALL TIMBER TWO TIER
	RETAINING WALL KEYSTONE
	PRIVATE DRAINAGE
	PRIVATE DRAINAGE CATCHPIT

- NOTES**
- WHERE WALLS FALL TOWARDS FRONT OF LOTS, PRIVATE DRAINAGE CONNECTS INTO PUBLIC SW SYSTEM AT LOT CONNECTION.
 - WHERE WALLS FALL TOWARDS BACK OF LOTS, PRIVATE DRAINAGE DISCHARGES TO BUSH WHERE POSSIBLE OR IF NOT POSSIBLE THEN IS PIPED TO FRONT OF LOT AND CONNECTS TO PUBLIC SW SYSTEM AT LOT CONNECTION.
 - WALLS WITH LARGE TOP SLOPES HAVE DISH CHANNELS INSTALLED WHICH ARE PIPED TO THE PUBLIC SW SYSTEM.
 - ALL WALLS ABOVE 1.2m HAVE BARRIER FENCES INSTALLED.
 - THESE NOTES APPLY TO DRAWINGS 151-153 ALSO.

STAGE 2A

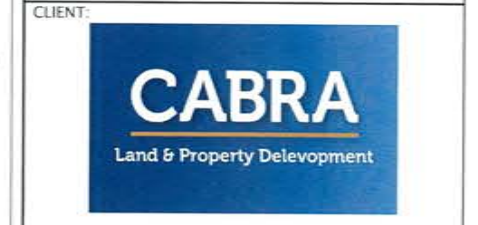
STAGE 2Bi

DWG 60356-2Bi-AB-203

DWG 60356-2Bi-AB-202

DWG 60356-2Bi-AB-201

LOT 24
DP 205239

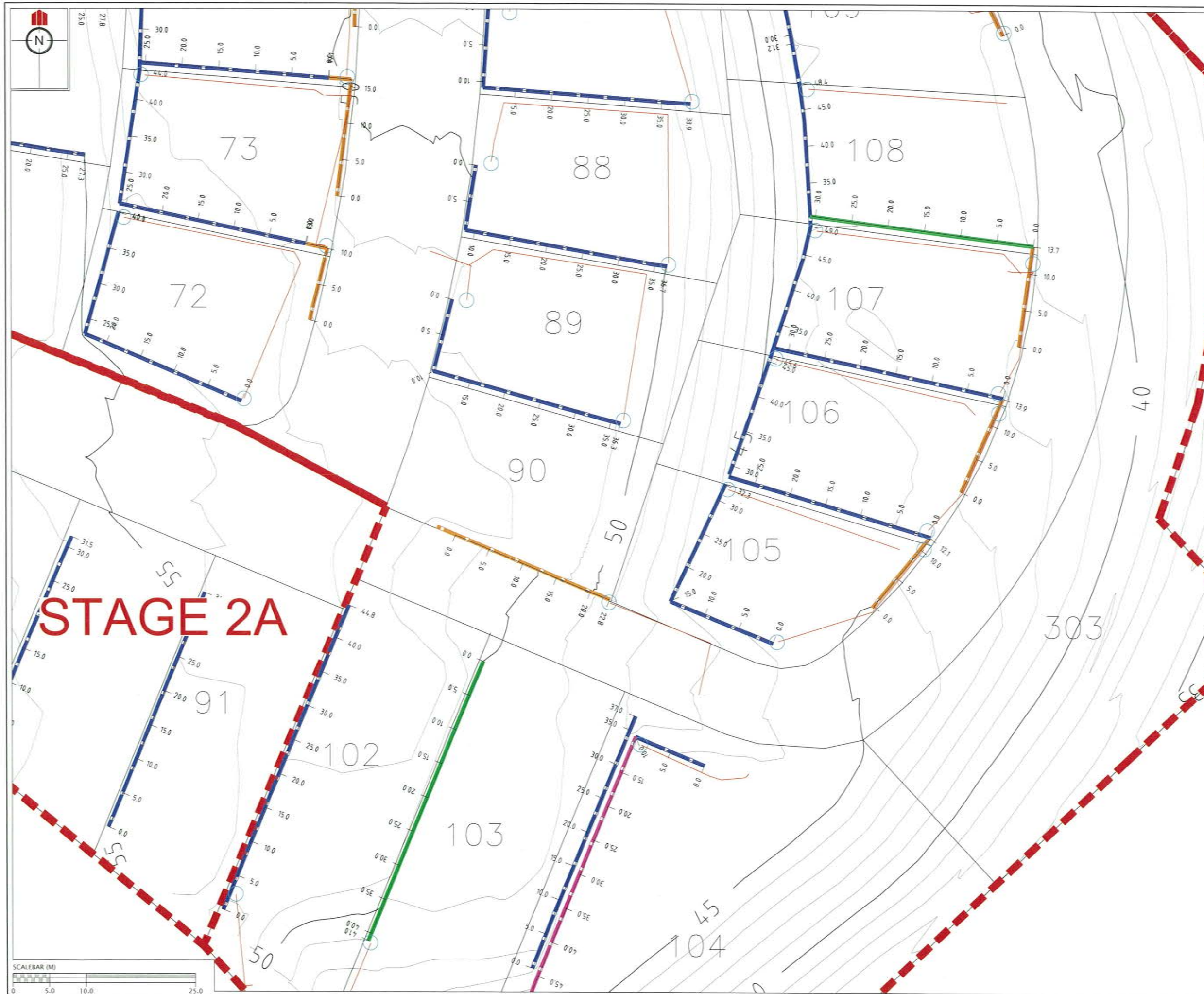


**KAREPIRO DEVELOPMENT
STAGE 2Bi**

RETAINING WALLS ASBUILT PLAN
(1 OF 4)

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WC
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-150	REV. 1



REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

LEGEND	
	CONTOURS (1.0m INTERVAL)
	RETAINING WALL TYPE D
	RETAINING WALL TYPE E
	RETAINING WALL TIMBER TWO TIER
	RETAINING WALL KEYSTONE
	PRIVATE DRAINAGE
	PRIVATE DRAINAGE CATCHPIT

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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

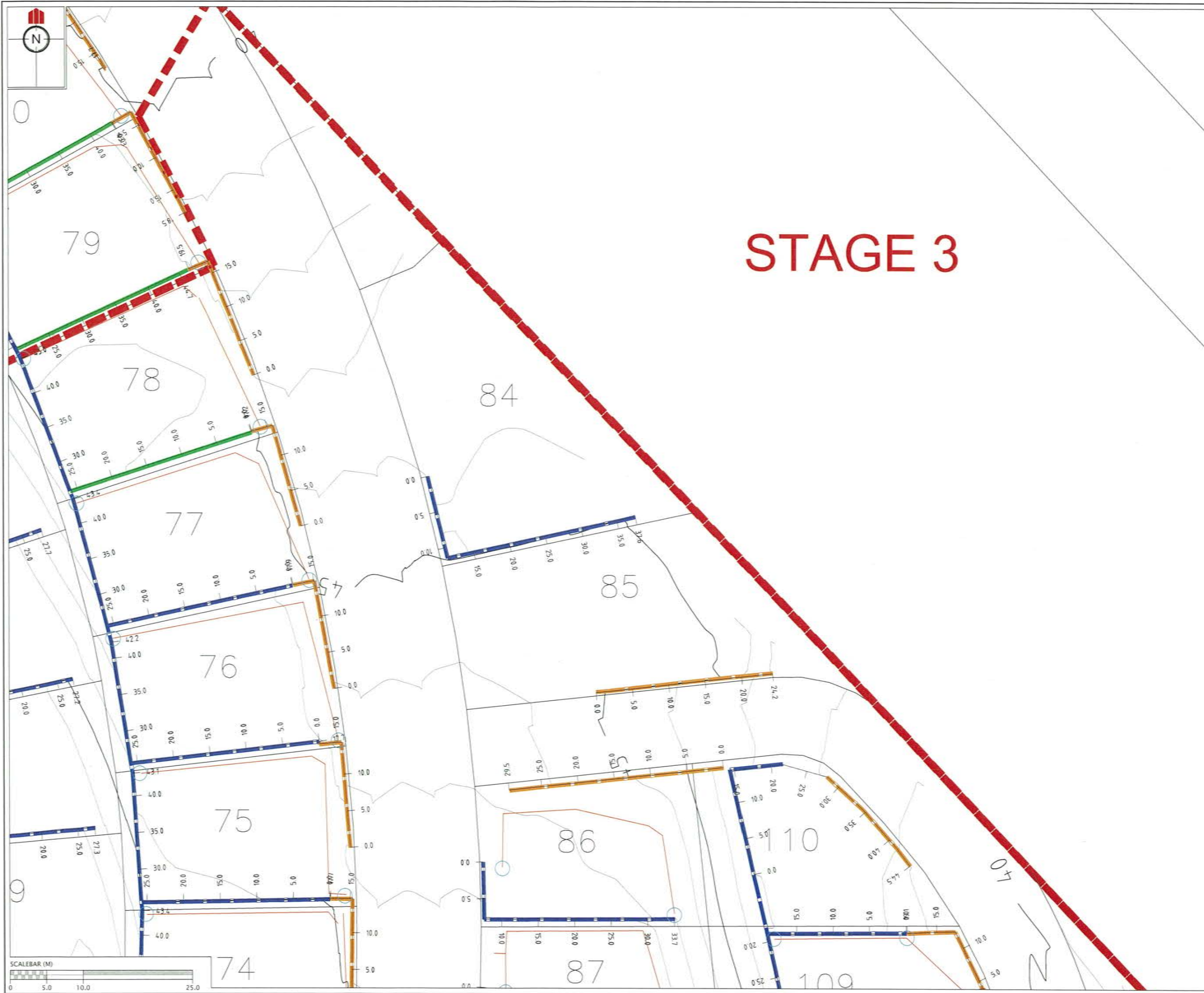
CLIENT:

**KAREPIRO DEVELOPMENT
STAGE 2Bi**

RETAINING WALLS ASBUILT PLAN
(2 OF 4)

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED: _____	DRAWN: SL
APPROVED: _____	SURVEYED: WC
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-151	REV. 1



STAGE 3

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

LEGEND

	CONTOURS (1.0m INTERVAL)
	RETAINING WALL TYPE D
	RETAINING WALL TYPE E
	RETAINING WALL TIMBER TWO TIER
	RETAINING WALL KEYSTONE
	PRIVATE DRAINAGE
	PRIVATE DRAINAGE CATCHPIT

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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/-25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

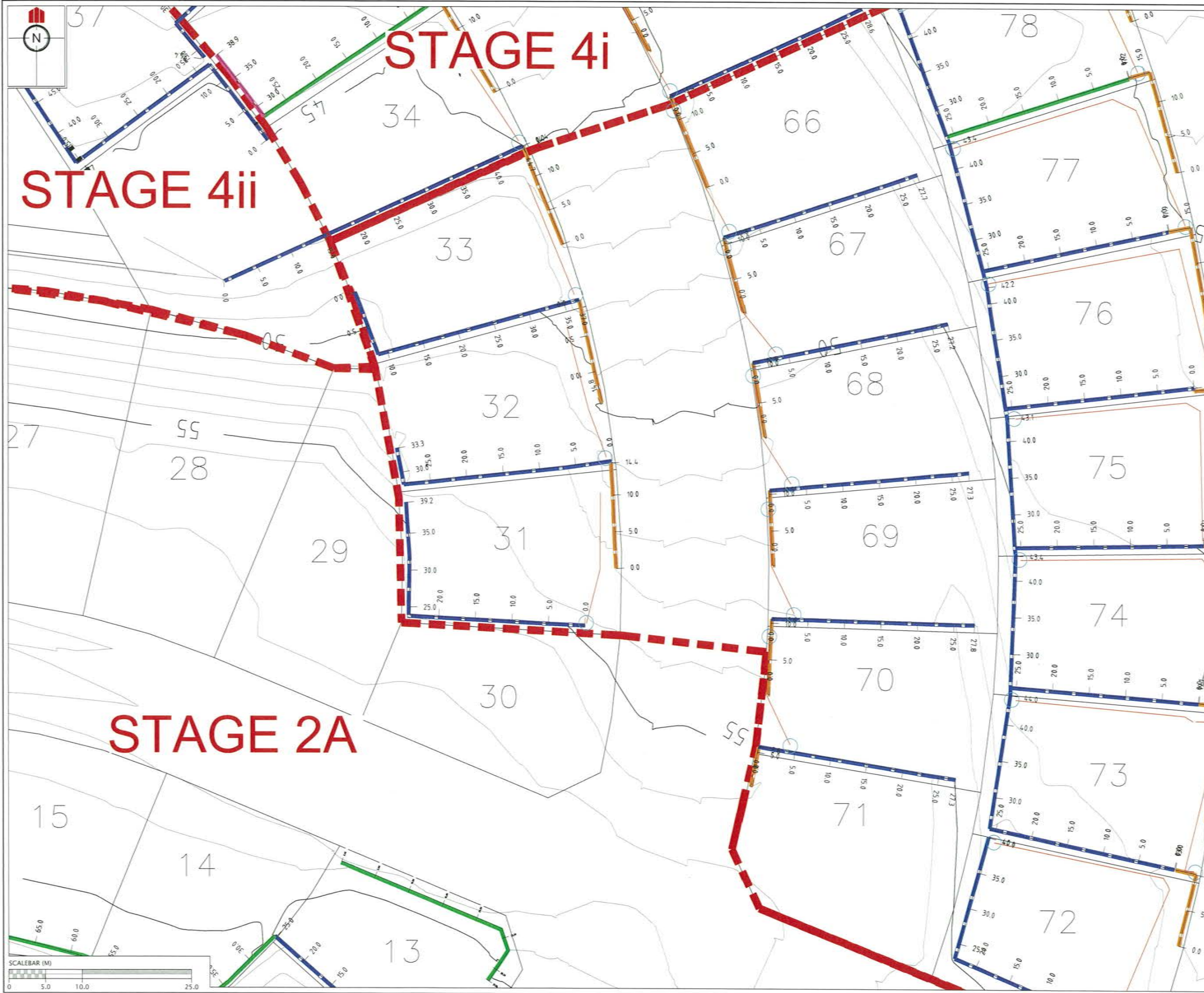


**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**RETAINING WALLS ASBUILT PLAN
(3 OF 4)**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WC
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-152	REV. 1



REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

LEGEND	
	CONTOURS (1.0m INTERVAL)
	RETAINING WALL TYPE D
	RETAINING WALL TYPE E
	RETAINING WALL TIMBER TWO TIER
	RETAINING WALL KEYSTONE
	PRIVATE DRAINAGE
	PRIVATE DRAINAGE CATCHPIT

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), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

CLIENT:

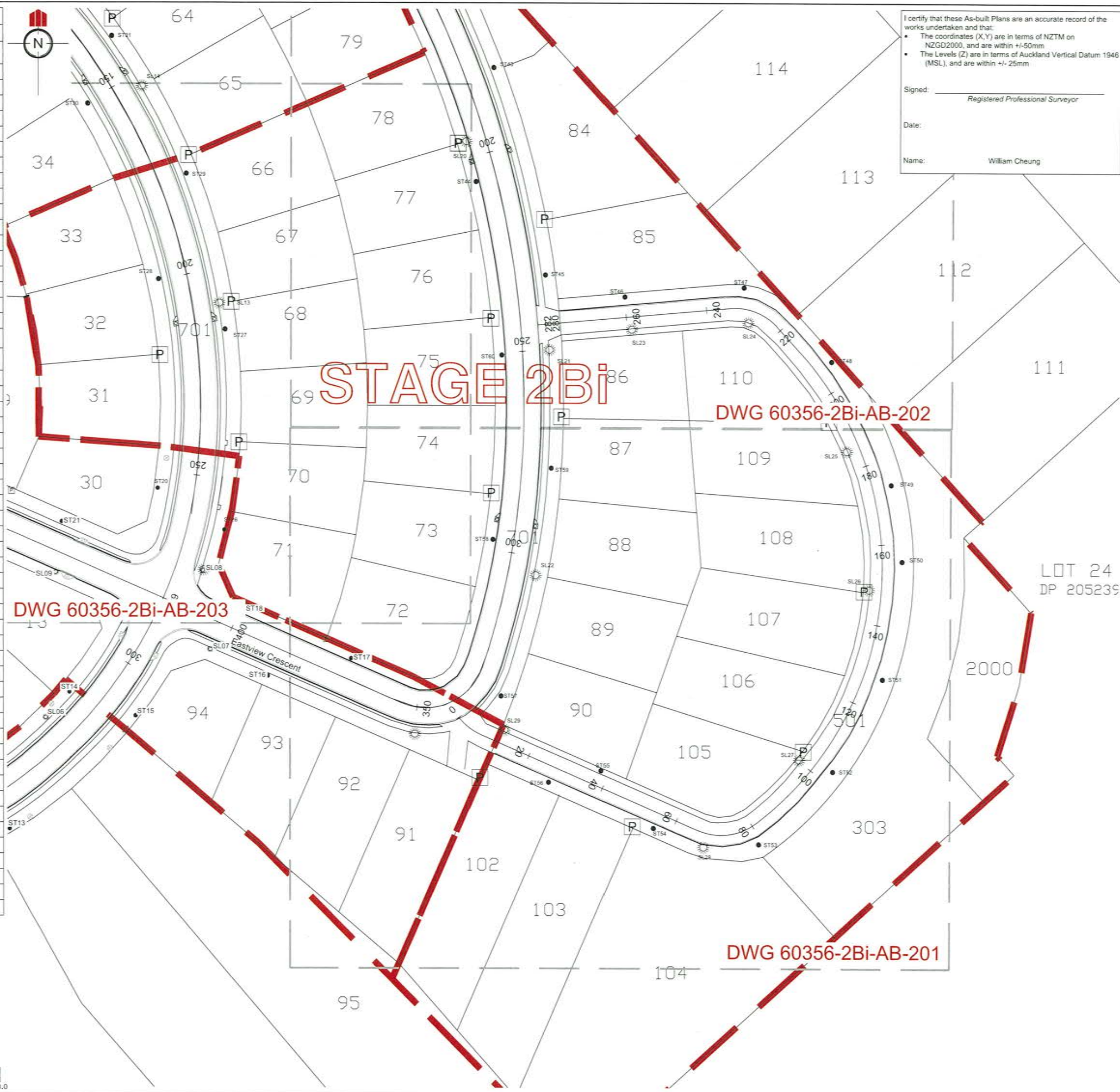
**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**RETAINING WALLS ASBUILT PLAN
(4 OF 4)**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WC
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-153	REV. 1

SCHEDULE OF COORDINATES		
STREETLIGHTS		
STREET LIGHT	mE POSITION	mN POSITION
SL13	1755014.60	5944272.23
SL14	1754995.36	5944325.93
SL15	1754963.80	5944365.08
SL16	1754955.85	5944386.48
SL17	1755004.25	5944411.62
SL18	1755034.37	5944390.31
SL19	1755057.34	5944355.81
SL20	1755075.82	5944312.28
SL21	1755096.56	5944260.74
SL22	1755093.24	5944205.03
SL23	1755116.93	5944265.82
SL24	1755145.79	5944267.50
SL25	1755170.38	5944235.78
SL26	1755176.00	5944201.59
SL27	1755158.75	5944159.50
SL28	1755134.98	5944137.89
SL29	1755085.50	5944166.78
TREES		
STREET TREE	mE POSITION	mN POSITION
ST26	1755016.00	5944216.34
ST27	1755016.05	5944265.71
ST28	1754999.49	5944278.14
ST29	1755006.36	5944304.24
ST30	1754981.91	5944321.54
ST31	1754987.91	5944338.30
ST32	1754956.49	5944352.55
ST33	1754971.31	5944384.20
ST34	1754965.05	5944395.27
ST35	1754992.49	5944396.10
ST36	1754989.07	5944408.37
ST37	1755018.20	5944399.97
ST38	1755031.12	5944408.44
ST39	1755048.08	5944392.38
ST40	1755047.57	5944371.71
ST41	1755066.55	5944364.55
ST42	1755061.85	5944346.94
ST43	1755082.61	5944330.55
ST44	1755078.26	5944302.32
ST45	1755095.51	5944279.28
ST46	1755115.16	5944273.90
ST47	1755144.71	5944276.23
ST48	1755166.49	5944257.94
ST49	1755181.49	5944227.52
ST50	1755184.23	5944208.58
ST51	1755179.49	5944179.44
ST52	1755167.14	5944156.61
ST53	1755148.77	5944138.62
ST54	1755122.56	5944142.54
ST55	1755109.61	5944156.76
ST56	1755096.51	5944153.90
ST57	1755084.64	5944175.18
ST58	1755082.59	5944213.88
ST59	1755097.05	5944231.54
ST60	1755084.71	5944259.47



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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/-25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION (NOV 2005).
 - ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED ENGINEERING PLANS. SEE 60356-2Bi-AB-250 FOR CONSTRUCTION DETAILS.
 - ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK. SEE 60356-2Bi-AB-250 FOR DETAILS.
 - ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED. SEE 60356-2Bi-AB-250 FOR DETAILS.
 - ALL PIPE CROSSINGS UNDER ROADS ARE CLASS 4 AND HAVE BEEN HARDFILL BACKFILLED.

LEGEND

ROAD CENTRELINE	
SINGLE SPLAY PIT	
DOUBLE SPLAY PIT	
POWER TUDD	
STREET TREES	ST18
STREET LIGHTS	SL07
STAGE BOUNDARIES	

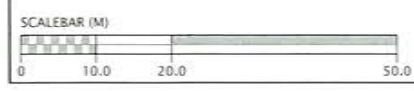
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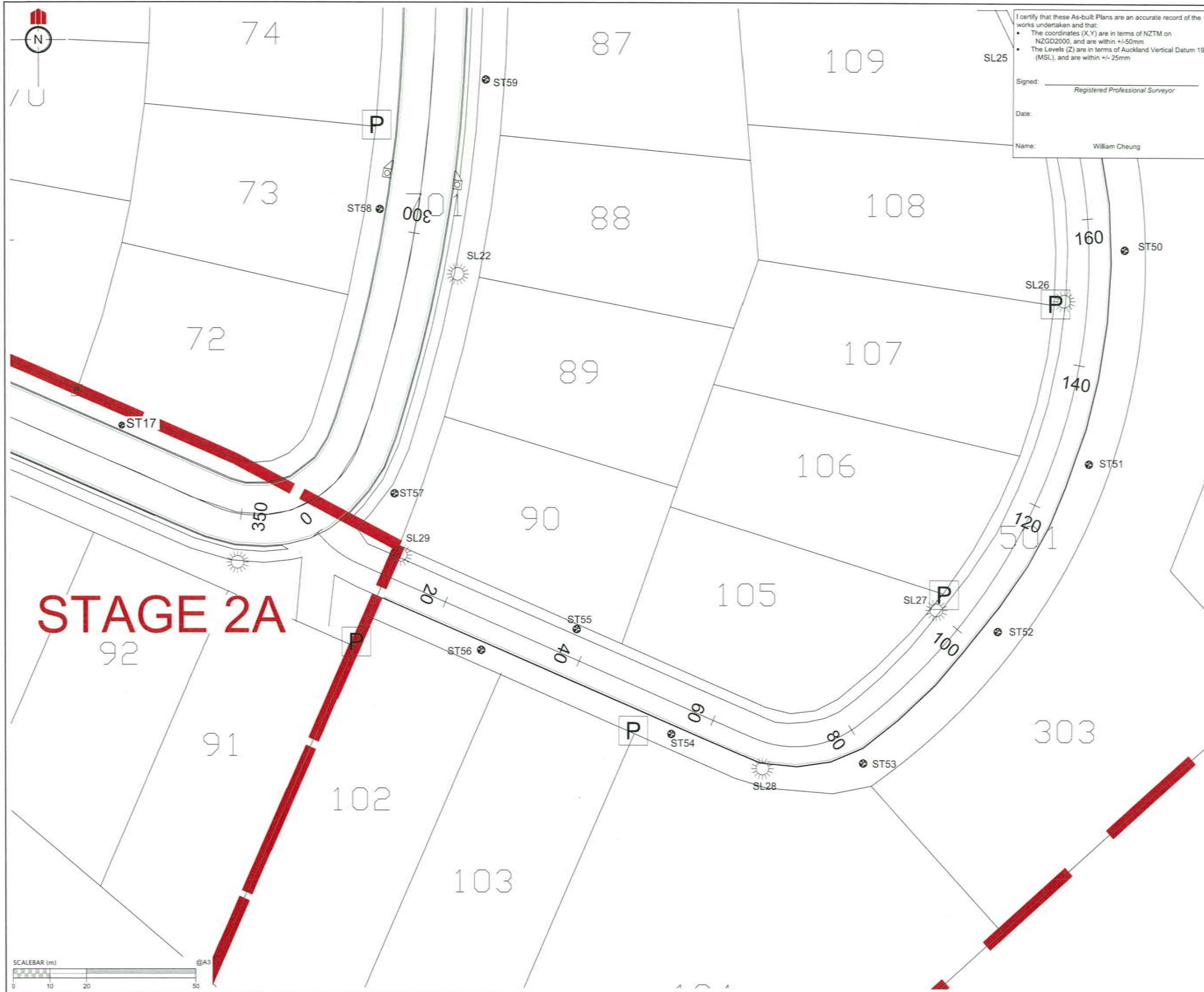
**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**ROADING AND STREET TREE
AS-BUILT PLAN**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-200	REV. 1





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), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

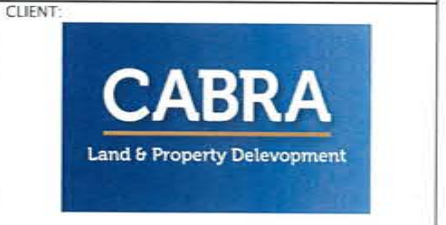
Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION (NOV 2005).
 - ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED ENGINEERING PLANS. SEE 60356-2Bi-AB-250 FOR CONSTRUCTION DETAILS.
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 - ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED. SEE 60356-2Bi-AB-250 FOR DETAILS.
 - ALL PIPE CROSSINGS UNDER ROADS ARE CLASS 4 AND HAVE BEEN HARDFILL BACKFILLED.

LEGEND

ROAD CENTRELINE	—+200—
SINGLE SPLAY PIT	
DOUBLE SPLAY PIT	
POWER TUDD	
STREET TREES	●ST18
STREET LIGHTS	○SL07
STAGE BOUNDARIES	— — — — —



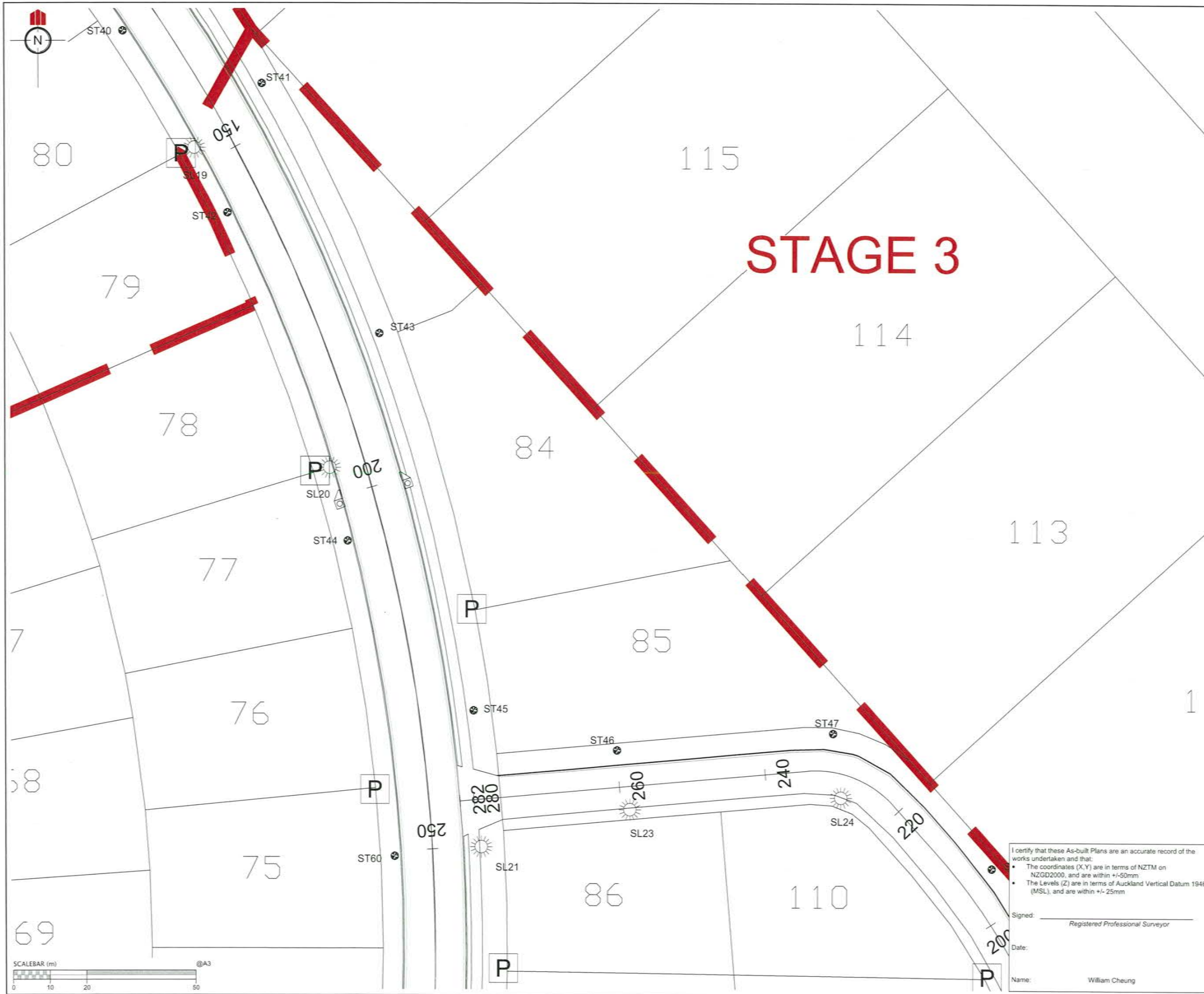
**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**ROADING AND STREET TREE
AS-BUILT PLAN**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-201	REV. 1

STAGE 2A



REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	NOV 2014

- NOTES**
- ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION (NOV 2005).
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 - ALL PIPE CROSSINGS UNDER ROADS ARE CLASS 4 AND HAVE BEEN HARDFILL BACKFILLED.

LEGEND

ROAD CENTRELINE	—+200—
SINGLE SPLAY PIT	
DOUBLE SPLAY PIT	
POWER TUDD	
STREET TREES	●ST18
STREET LIGHTS	⊙SL07
STAGE BOUNDARIES	— — — —



**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**ROADING AND STREET TREE
AS-BUILT PLAN**

AUCKLAND COUNCIL

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), and are within +/- 25mm

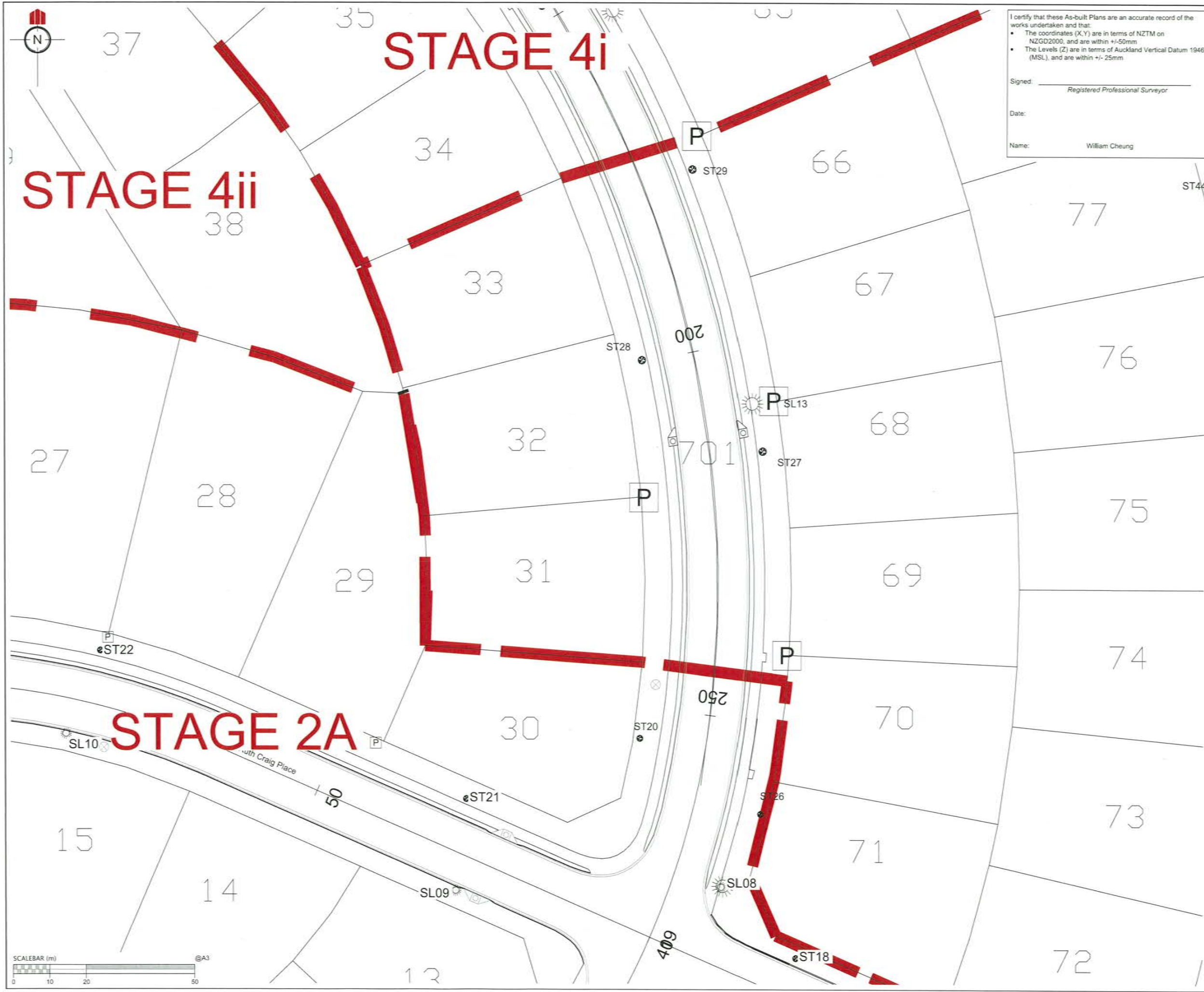
Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-202	REV. 1





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), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

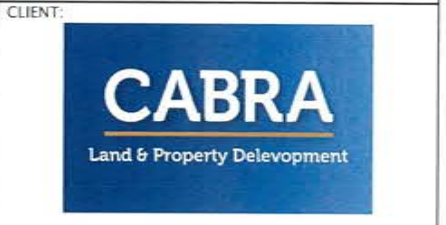
Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION (NOV 2005).
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 - ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK. SEE 60356-2Bi-AB-250 FOR DETAILS.
 - ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED. SEE 60356-2Bi-AB-250 FOR DETAILS.
 - ALL PIPE CROSSINGS UNDER ROADS ARE CLASS 4 AND HAVE BEEN HARDFILL BACKFILLED.

LEGEND

ROAD CENTRELINE	—+—
SINGLE SPLAY PIT	⊠
DOUBLE SPLAY PIT	⊞
POWER TUDD	⊠
STREET TREES	●ST18
STREET LIGHTS	⊙SL07
STAGE BOUNDARIES	- - -



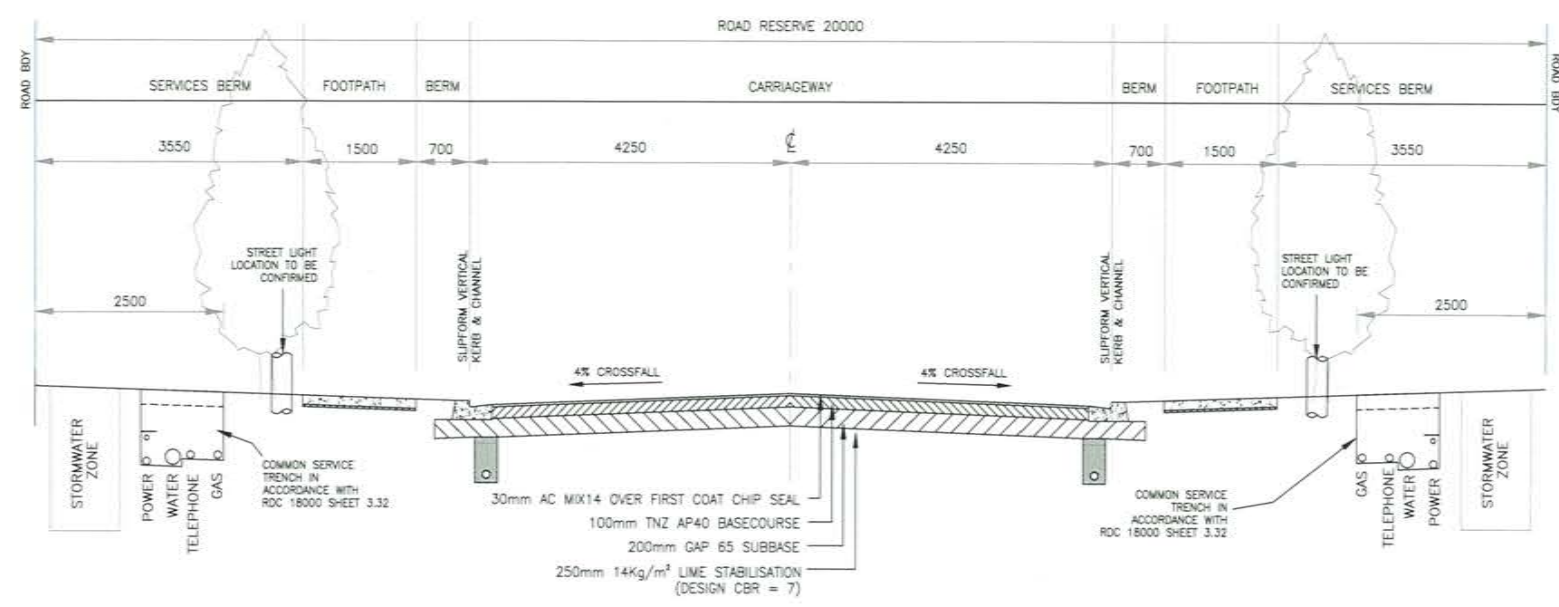
**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**ROADING AND STREET TREE
AS-BUILT PLAN**

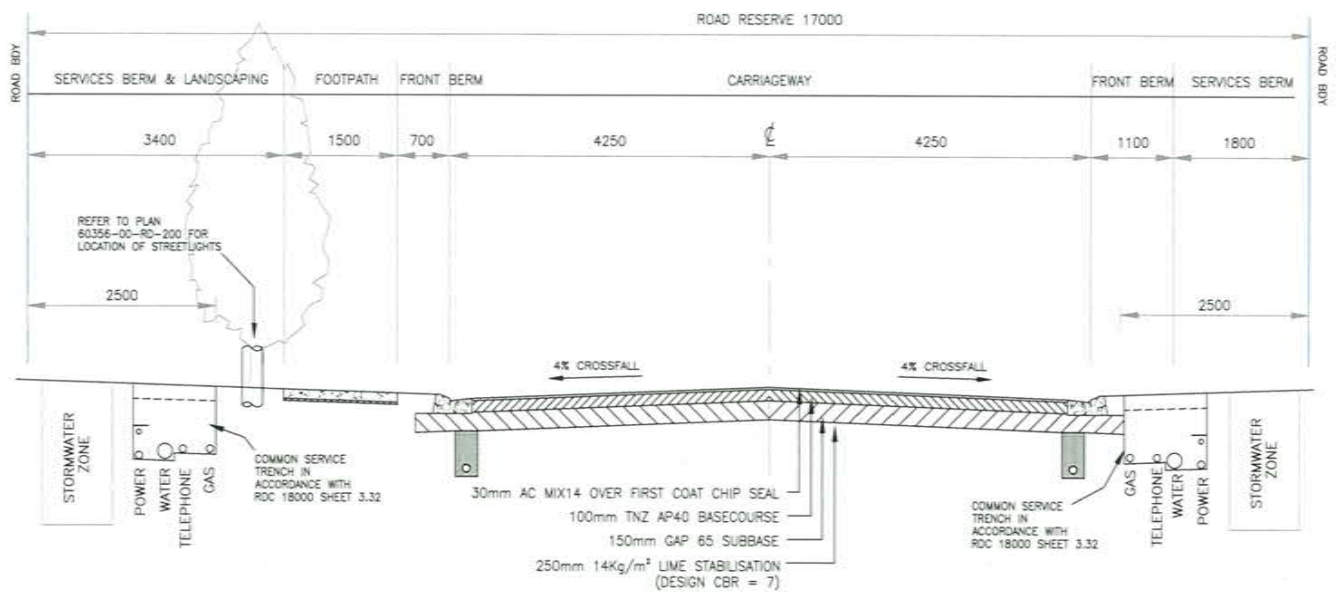
AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-203	REV. 1

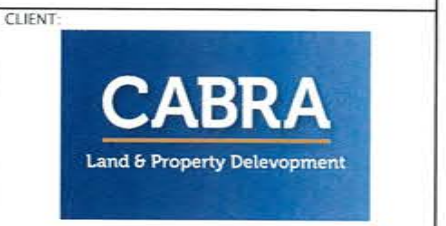
REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16



TYPICAL CROSS SECTION - WOODRIDGE DRIVE



TYPICAL CROSS SECTION - EASTVIEW CR & SOMMERSET PL

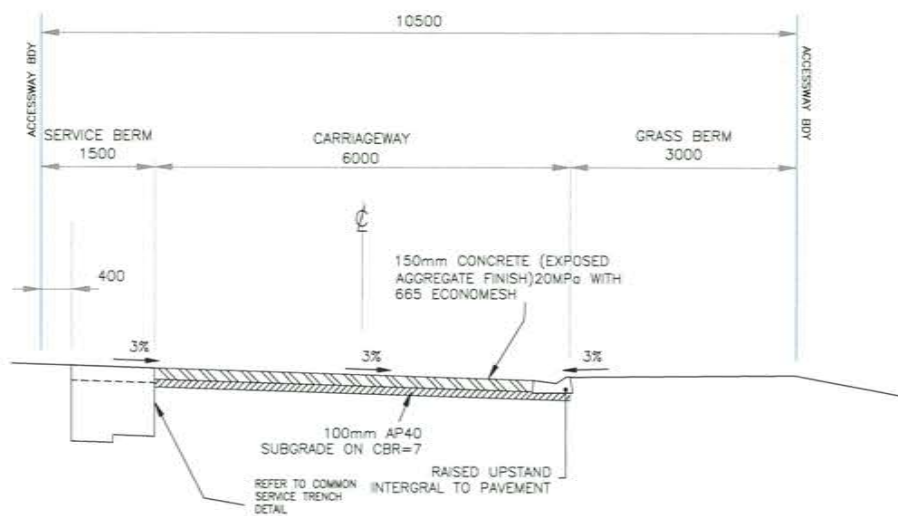


KAREPIRO DEVELOPMENT
STAGE 2Bi

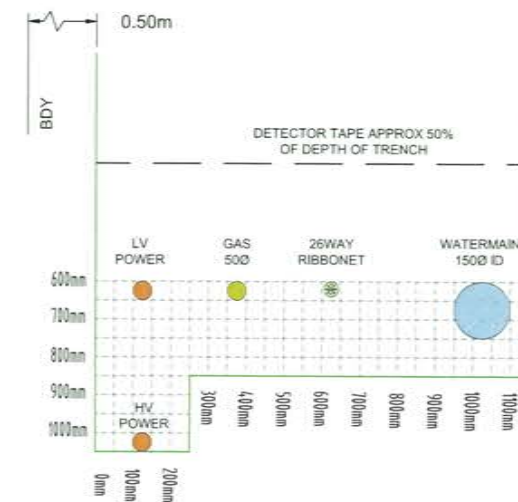
ROADING AS-BUILT
TYPICAL SECTIONS
(1 OF 2)

AUCKLAND COUNCIL

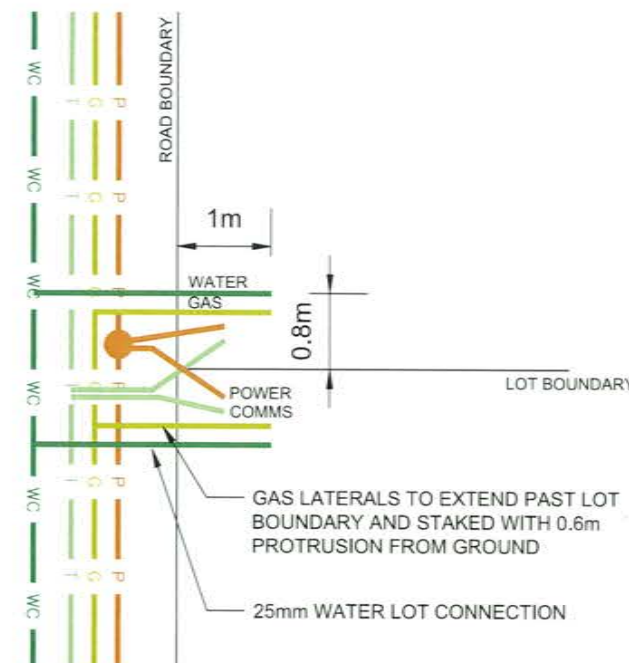
DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-250	REV. 1



**TYPICAL CROSS SECTION
PRIVATE ACCESSWAYS - TIROHANGA PL**



**TYPICAL SERVICE TRENCH SECTION
SCALE 1:20 @ A3**

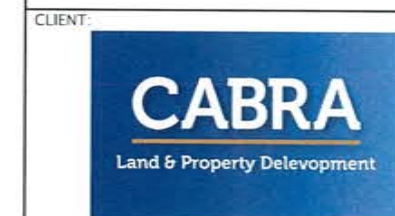


**SERVICE CONNECTION DETAIL
NTS**

NOTES:

- ROAD CROSSINGS CONSTRUCTED TO AUCKLAND COUNCIL (FORMERLY RDC) ENGINEERING DESIGN STANDARD DETAILS 18000.3.4 & 3.5

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

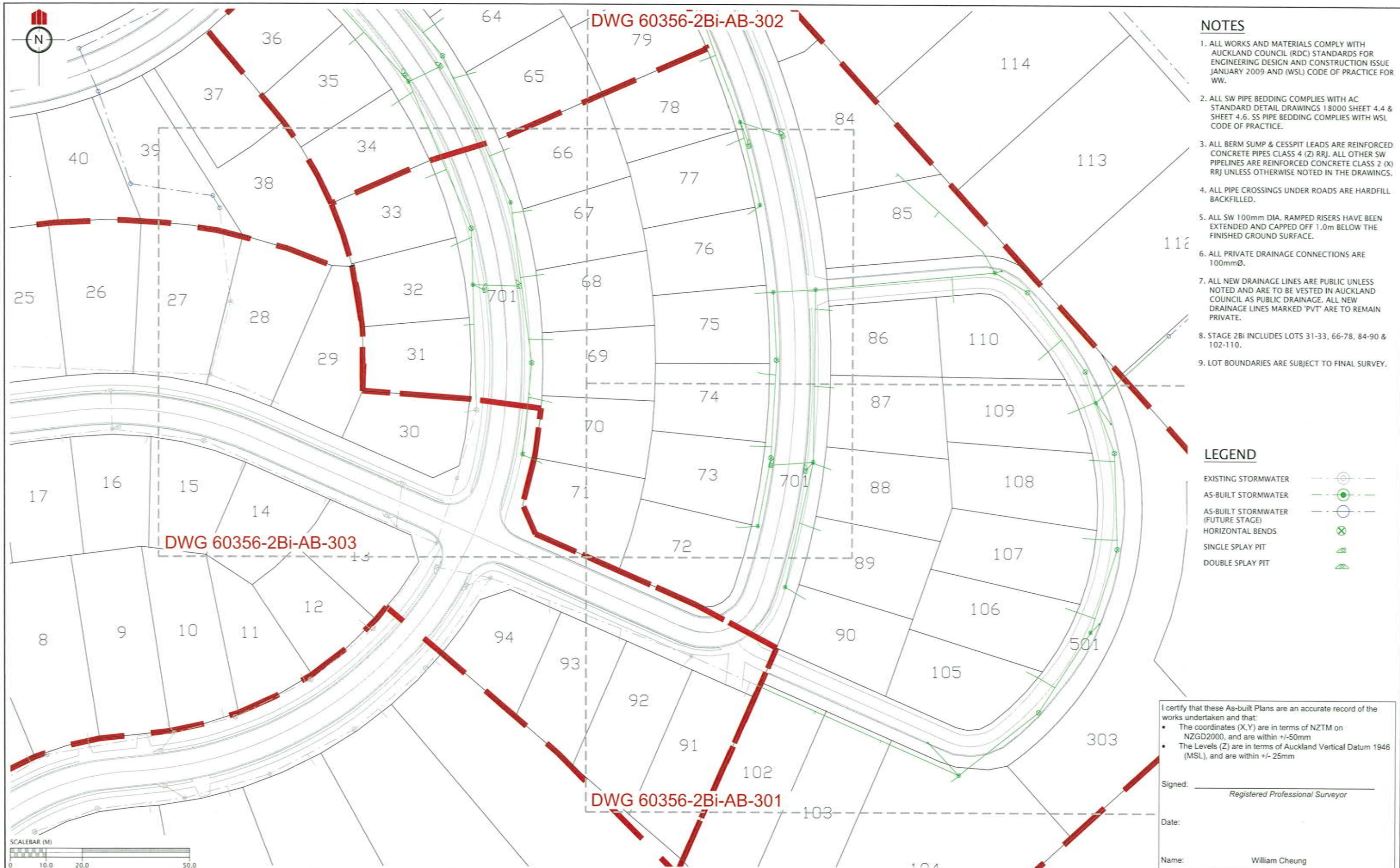


**KAREPIRO
DEVELOPMENT
STAGE 2Bi**

**ROADING AS-BUILT
TYPICAL SECTIONS
(2 OF 2)**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-251	REV. 1



- NOTES**
1. ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE JANUARY 2009 AND (WSL) CODE OF PRACTICE FOR WW.
 2. ALL SW PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6. SS PIPE BEDDING COMPLIES WITH WSL CODE OF PRACTICE.
 3. ALL BERM SUMP & CESSPIT LEADS ARE REINFORCED CONCRETE PIPES CLASS 4 (Z) RRJ. ALL OTHER SW PIPELINES ARE REINFORCED CONCRETE CLASS 2 (X) RRJ UNLESS OTHERWISE NOTED IN THE DRAWINGS.
 4. ALL PIPE CROSSINGS UNDER ROADS ARE HARDFILL BACKFILLED.
 5. ALL SW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
 6. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
 7. ALL NEW DRAINAGE LINES ARE PUBLIC UNLESS NOTED AND ARE TO BE VESTED IN AUCKLAND COUNCIL AS PUBLIC DRAINAGE. ALL NEW DRAINAGE LINES MARKED 'PVT' ARE TO REMAIN PRIVATE.
 8. STAGE 2Bi INCLUDES LOTS 31-33, 66-78, 84-90 & 102-110.
 9. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

- LEGEND**
- EXISTING STORMWATER
 - AS-BUILT STORMWATER
 - AS-BUILT STORMWATER (FUTURE STAGE)
 - HORIZONTAL BENDS
 - SINGLE SPLAY PIT
 - DOUBLE SPLAY PIT

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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

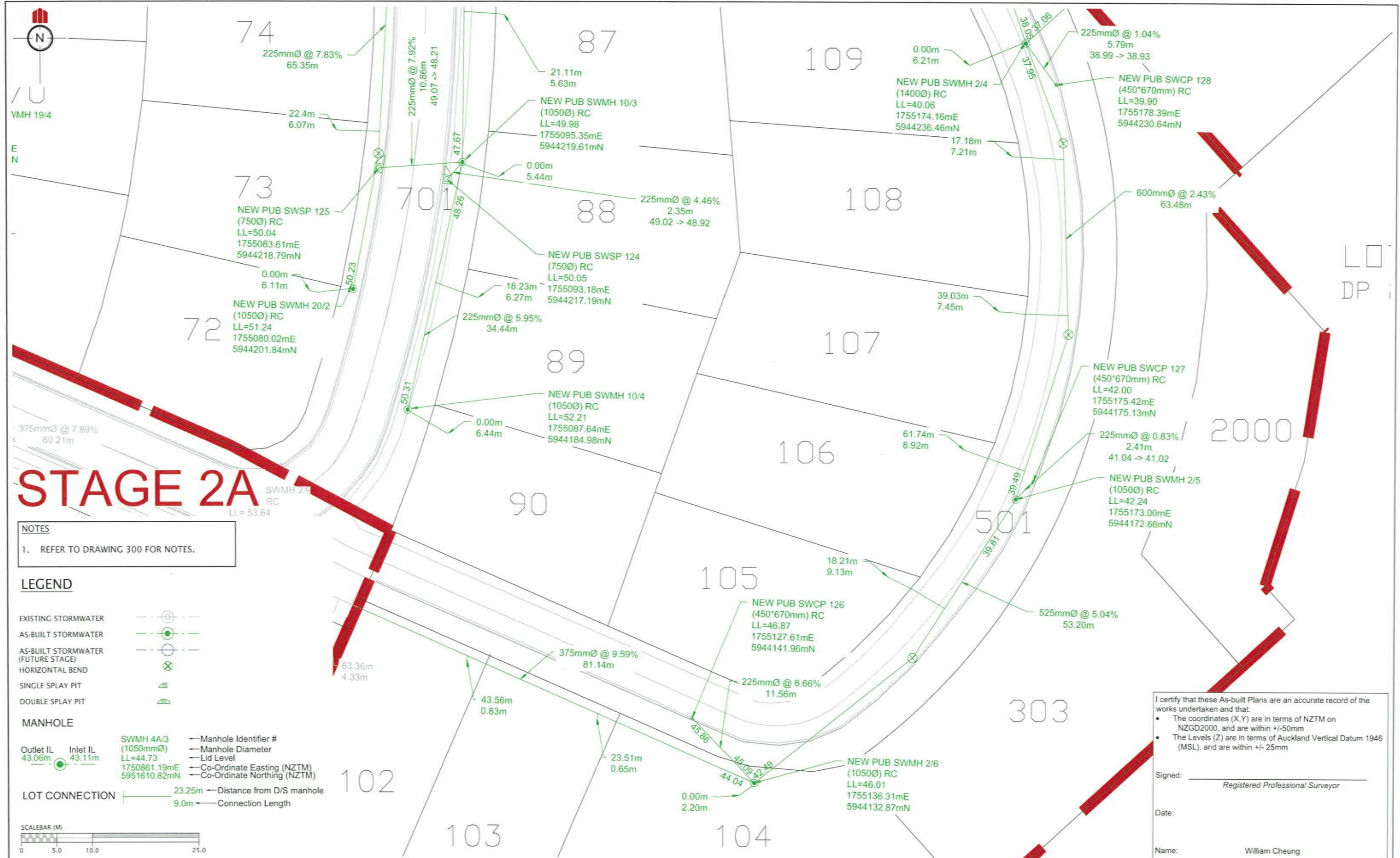
Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

KAREPIRO DEVELOPMENT - STAGE 2Bi
STORMWATER AS-BUILT PLAN
OVERALL
AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED: _____	DRAWN: SL
APPROVED: _____	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-300	REV. 1



STAGE 2A

NOTES
1. REFER TO DRAWING 300 FOR NOTES.

LEGEND

EXISTING STORMWATER:

AS-BUILT STORMWATER:

AS-BUILT STORMWATER (FUTURE STAGE):

HORIZONTAL BEND:

SINGLE SPLAY PIT:

DOUBLE SPLAY PIT:

MANHOLE

Outlet IL 43.06m, Inlet IL 43.11m

SWMH 4A/3 (1050mmØ) RC LL=44.73
1750861.19mE 5951610.82mN

Manhole Identifier #
Manhole Diameter
Lid Level
Co-Ordinate Easting (NZTM)
Co-Ordinate Northing (NZTM)

LOT CONNECTION

23.25m Distance from D/S manhole
9.0m Connection Length



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

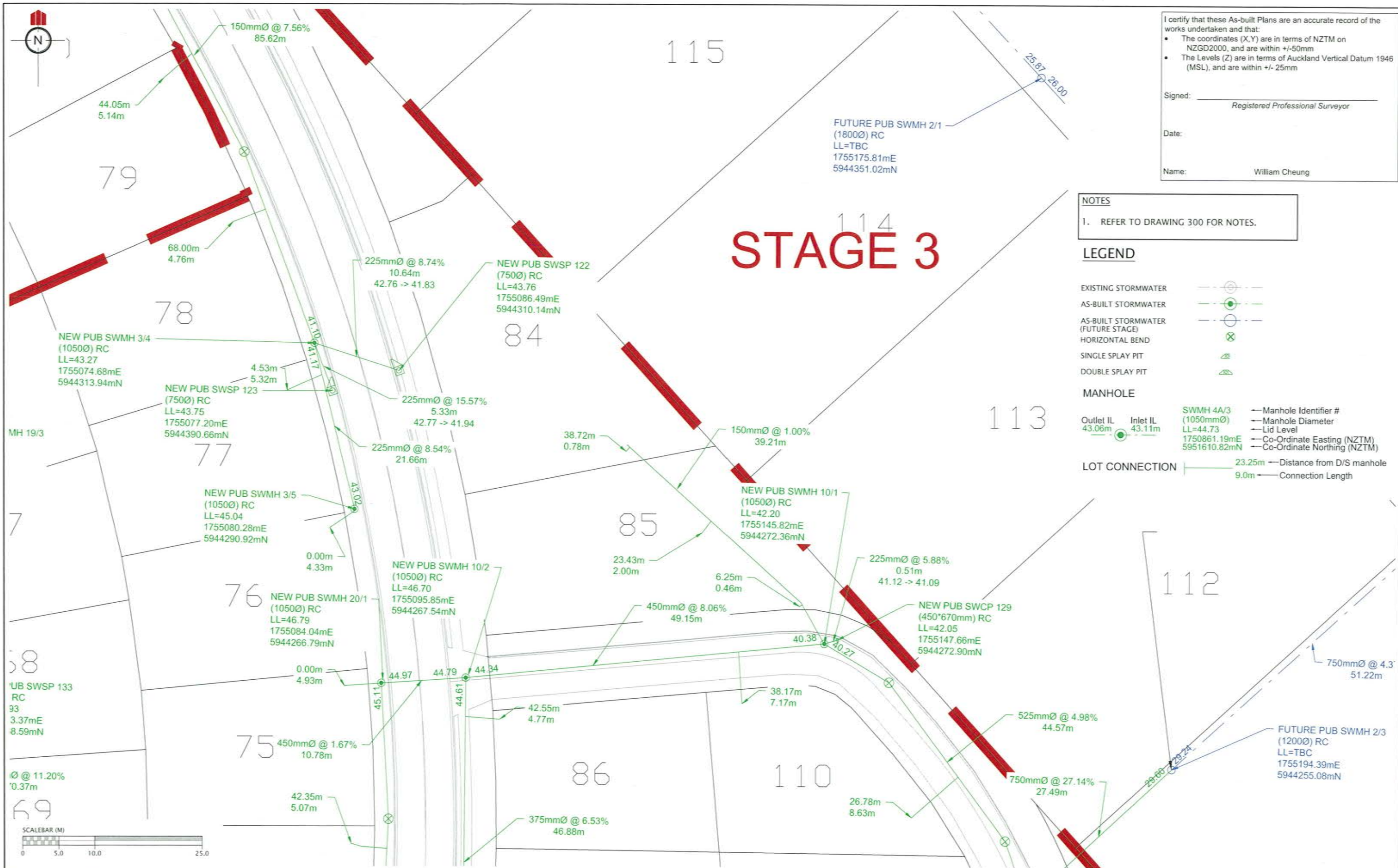
Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

KAREPIRO DEVELOPMENT - STAGE2Bi
STORMWATER AS-BUILT PLAN
(SHEET 1 OF 3)
AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-301	REV. 1



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

NOTES

1. REFER TO DRAWING 300 FOR NOTES.

- LEGEND**
- EXISTING STORMWATER:
 - AS-BUILT STORMWATER:
 - AS-BUILT STORMWATER (FUTURE STAGE):
 - HORIZONTAL BEND:
 - SINGLE SPLAY PIT:
 - DOUBLE SPLAY PIT:
- MANHOLE**
- Outlet IL 43.06m, Inlet IL 43.11m:
 - SWMH 4A/3 (1050mmØ):
 - Manhole Identifier #: ---
 - Manhole Diameter: ---
 - Lid Level: ---
 - Co-Ordinate Easting (NZTM): ---
 - Co-Ordinate Northing (NZTM): ---
- LOT CONNECTION**
- 23.25m:
 - Distance from D/S manhole: ---
 - 9.0m:
 - Connection Length: ---

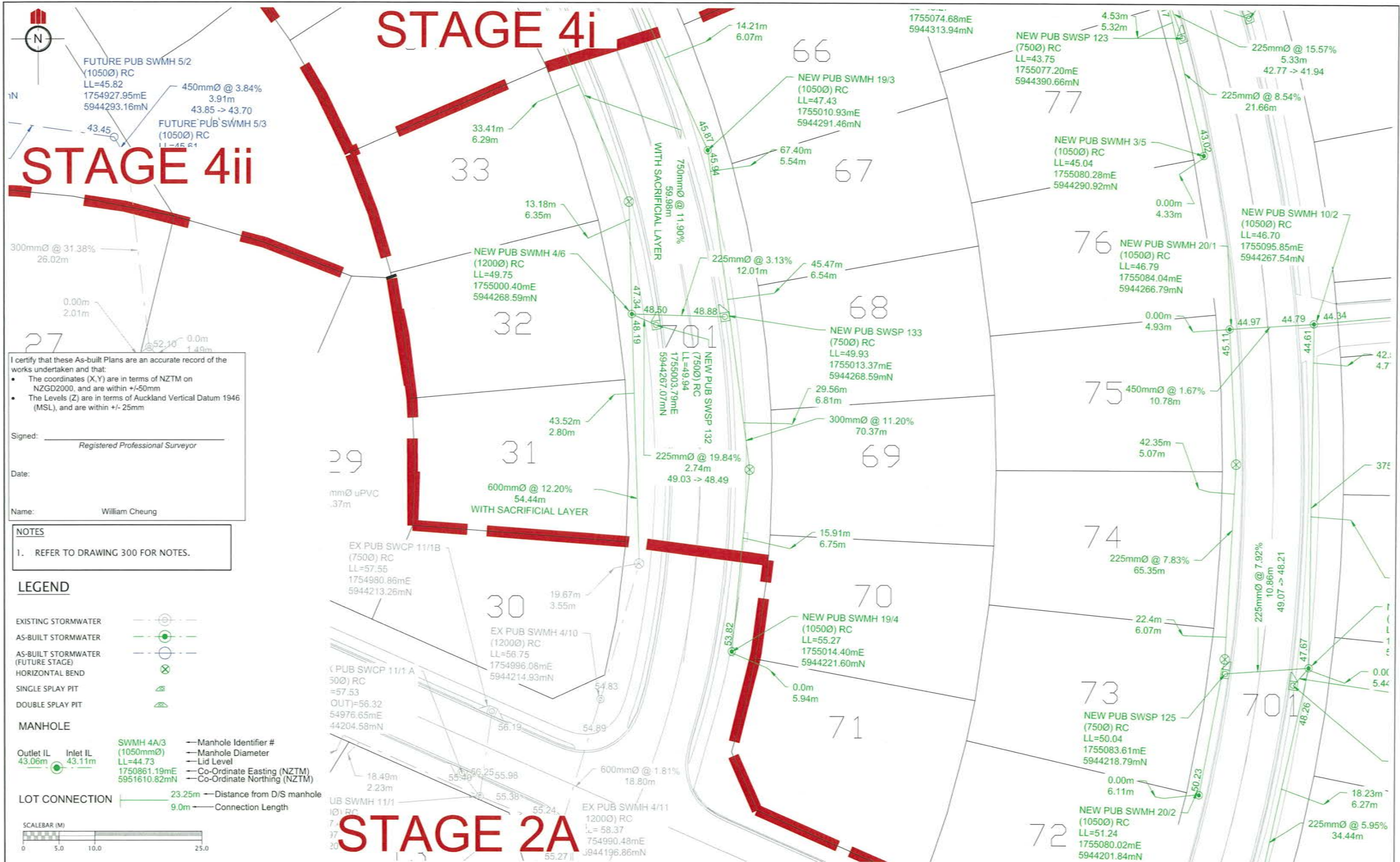
REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

KAREPIRO DEVELOPMENT - STAGE 2Bi

STORMWATER AS-BUILT PLAN
(SHEET 2 OF 3)

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-302	REV. 1



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

NOTES

1. REFER TO DRAWING 300 FOR NOTES.

LEGEND

EXISTING STORMWATER:

AS-BUILT STORMWATER:

AS-BUILT STORMWATER (FUTURE STAGE):

HORIZONTAL BEND:

SINGLE SPLAY PIT:

DOUBLE SPLAY PIT:

MANHOLE

Outlet IL 43.06m Inlet IL 43.11m

SWMH 4A/3 (1050mmØ) LL=44.73
1750861.19mE
5951610.82mN

Manhole Identifier #
Manhole Diameter
Lid Level
Co-Ordinate Easting (NZTM)
Co-Ordinate Northing (NZTM)

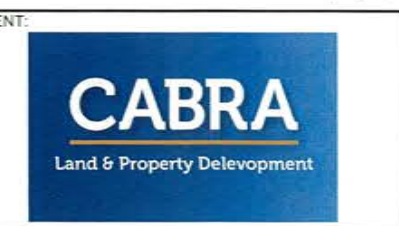
LOT CONNECTION

23.25m Distance from D/S manhole
9.0m Connection Length

SCALEBAR (M)

0 5.0 10.0 25.0

REVISION DETAILS	NAME	DATE	CLIENT
1. ISSUED FOR AS-BUILT	BP	26/2/16	



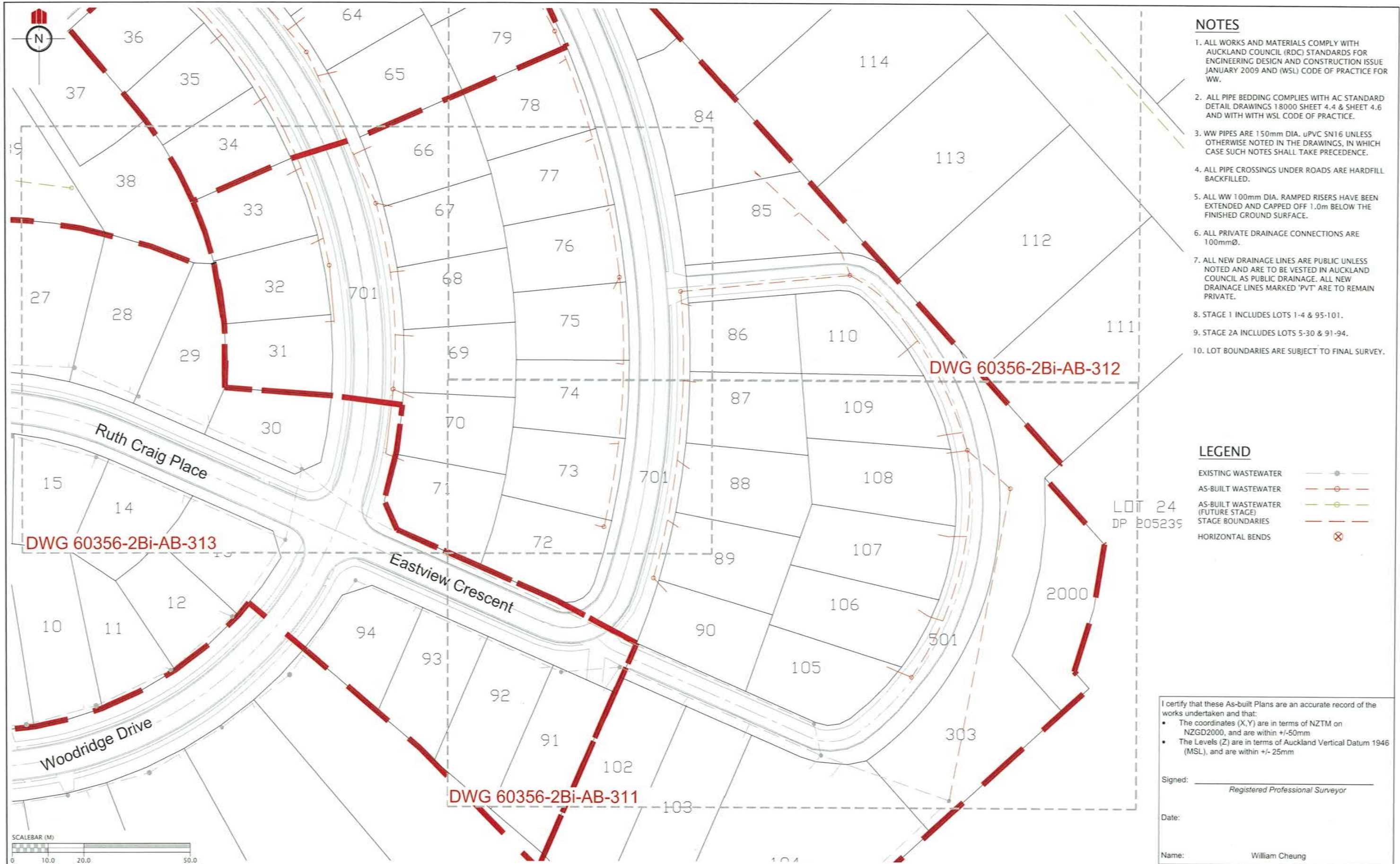
KAREPIRO DEVELOPMENT - STAGE 2Bi

STORMWATER AS-BUILT PLAN
(SHEET 3 OF 3)

AUCKLAND COUNCIL



DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-303	REV. 1



- NOTES**
1. ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE JANUARY 2009 AND (WSL) CODE OF PRACTICE FOR WW.
 2. ALL PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6 AND WITH WITH WSL CODE OF PRACTICE.
 3. WW PIPES ARE 150mm DIA. uPVC SN16 UNLESS OTHERWISE NOTED IN THE DRAWINGS, IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
 4. ALL PIPE CROSSINGS UNDER ROADS ARE HARDFILL BACKFILLED.
 5. ALL WW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
 6. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
 7. ALL NEW DRAINAGE LINES ARE PUBLIC UNLESS NOTED AND ARE TO BE VESTED IN AUCKLAND COUNCIL AS PUBLIC DRAINAGE. ALL NEW DRAINAGE LINES MARKED 'PVT' ARE TO REMAIN PRIVATE.
 8. STAGE 1 INCLUDES LOTS 1-4 & 95-101.
 9. STAGE 2A INCLUDES LOTS 5-30 & 91-94.
 10. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

- LEGEND**
- EXISTING WASTEWATER
 - AS-BUILT WASTEWATER
 - AS-BUILT WASTEWATER (FUTURE STAGE)
 - STAGE BOUNDARIES
 - HORIZONTAL BENDS

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

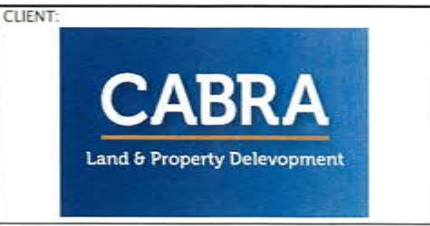
- The coordinates (X,Y) are in terms of NZTM on NZGD2000, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

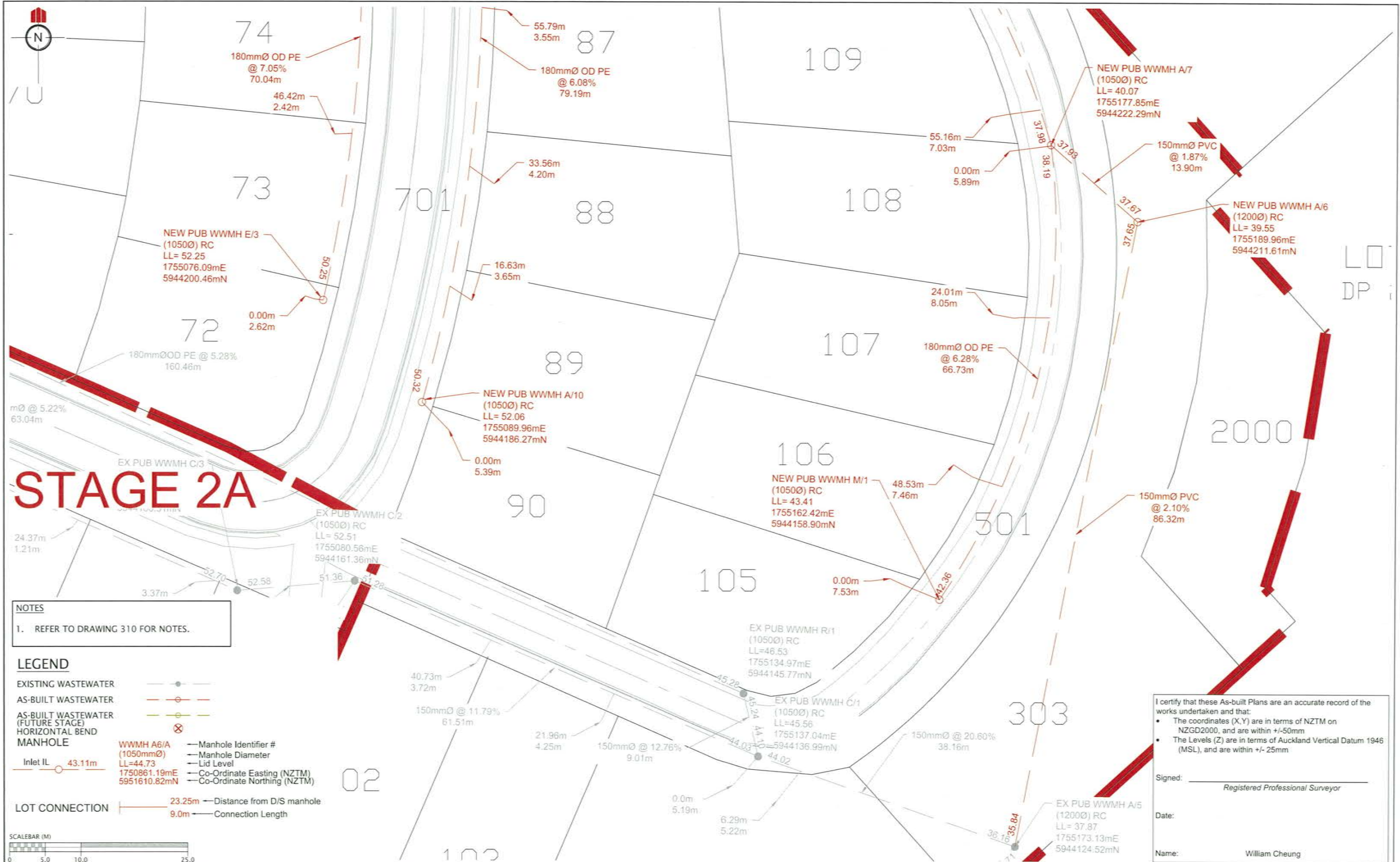


KAREPIRO DEVELOPMENT - STAGE 2Bi

WASTEWATER AS-BUILT PLAN
OVERALL
AUCKLAND COUNCIL



DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-310	REV. 1



NOTES
 1. REFER TO DRAWING 310 FOR NOTES.

LEGEND

EXISTING WASTEWATER ———
 AS-BUILT WASTEWATER ———
 AS-BUILT WASTEWATER (FUTURE STAGE) ———
 HORIZONTAL BEND ⊗
 MANHOLE

WWMH A6/A (1050mmØ) — Manhole Identifier #
 LL=44.73 — Manhole Diameter
 1750861.19mE — Lid Level
 5951610.82mN — Co-Ordinate Easting (NZTM)
 — Co-Ordinate Northing (NZTM)

LOT CONNECTION ——— Distance from D/S manhole
 9.0m — Connection Length



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
 Registered Professional Surveyor

Date: _____

Name: William Cheung

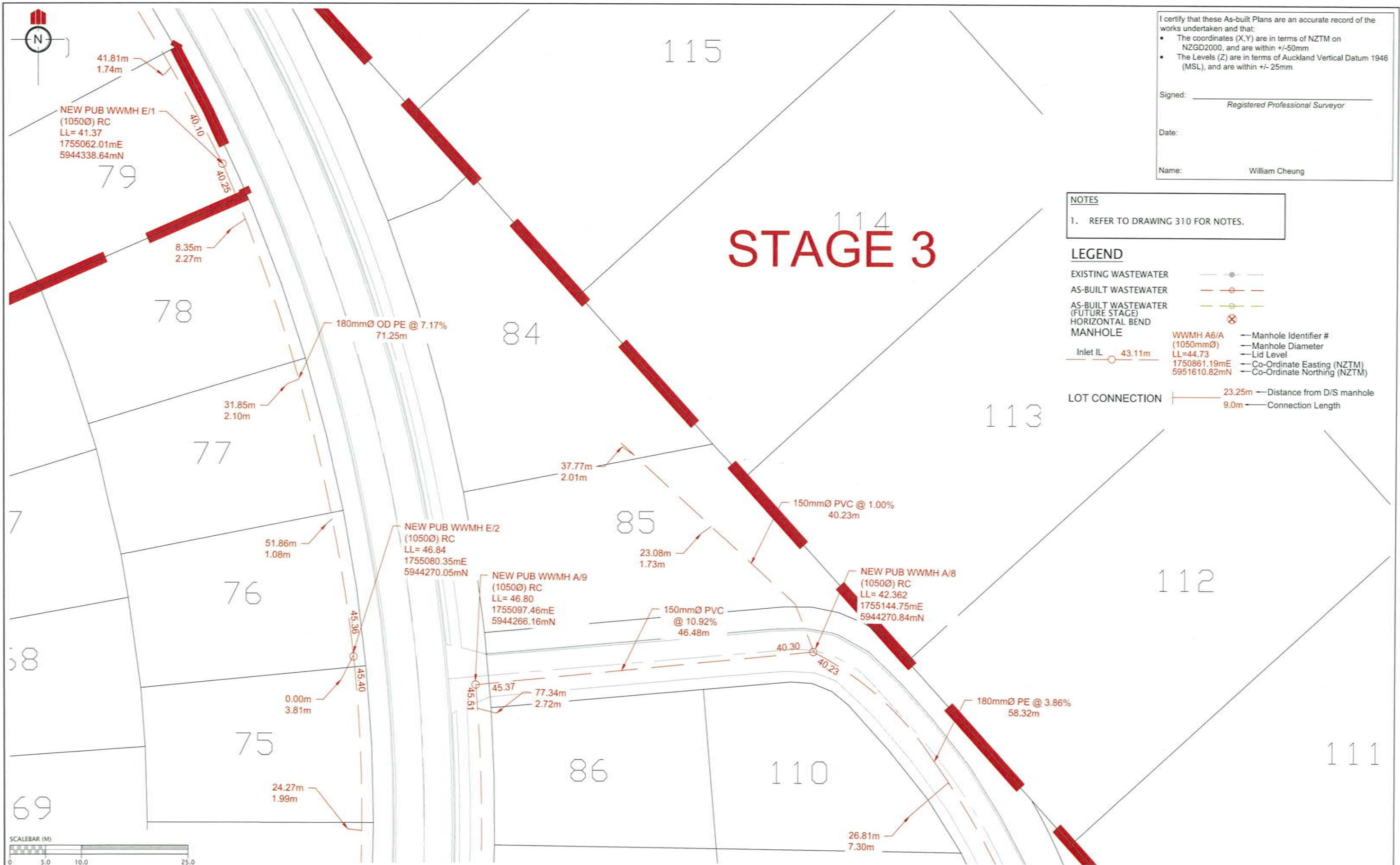
REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

KAREPIRO DEVELOPMENT - STAGE 2Bi

WASTEWATER AS-BUILT PLAN
(SHEET 1 OF 3)

AUCKLAND COUNCIL

DESIGNED:	ISSUED FOR AS-BUILT
BP	
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-311	REV. 1



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

NOTES

1. REFER TO DRAWING 310 FOR NOTES.

LEGEND

EXISTING WASTEWATER ————

AS-BUILT WASTEWATER ————

AS-BUILT WASTEWATER (FUTURE STAGE) ————

HORIZONTAL BEND ————

MANHOLE ————

Inlet IL 43.11m ————

LOT CONNECTION ————

23.25m — Distance from D/S manhole

9.0m — Connection Length

WWMH A6/A (1050mmØ) LL=44.73 1750861.19mE 5951610.82mN

Manhole Identifier #

Manhole Diameter

Lid Level

Co-Ordinate Easting (NZTM)

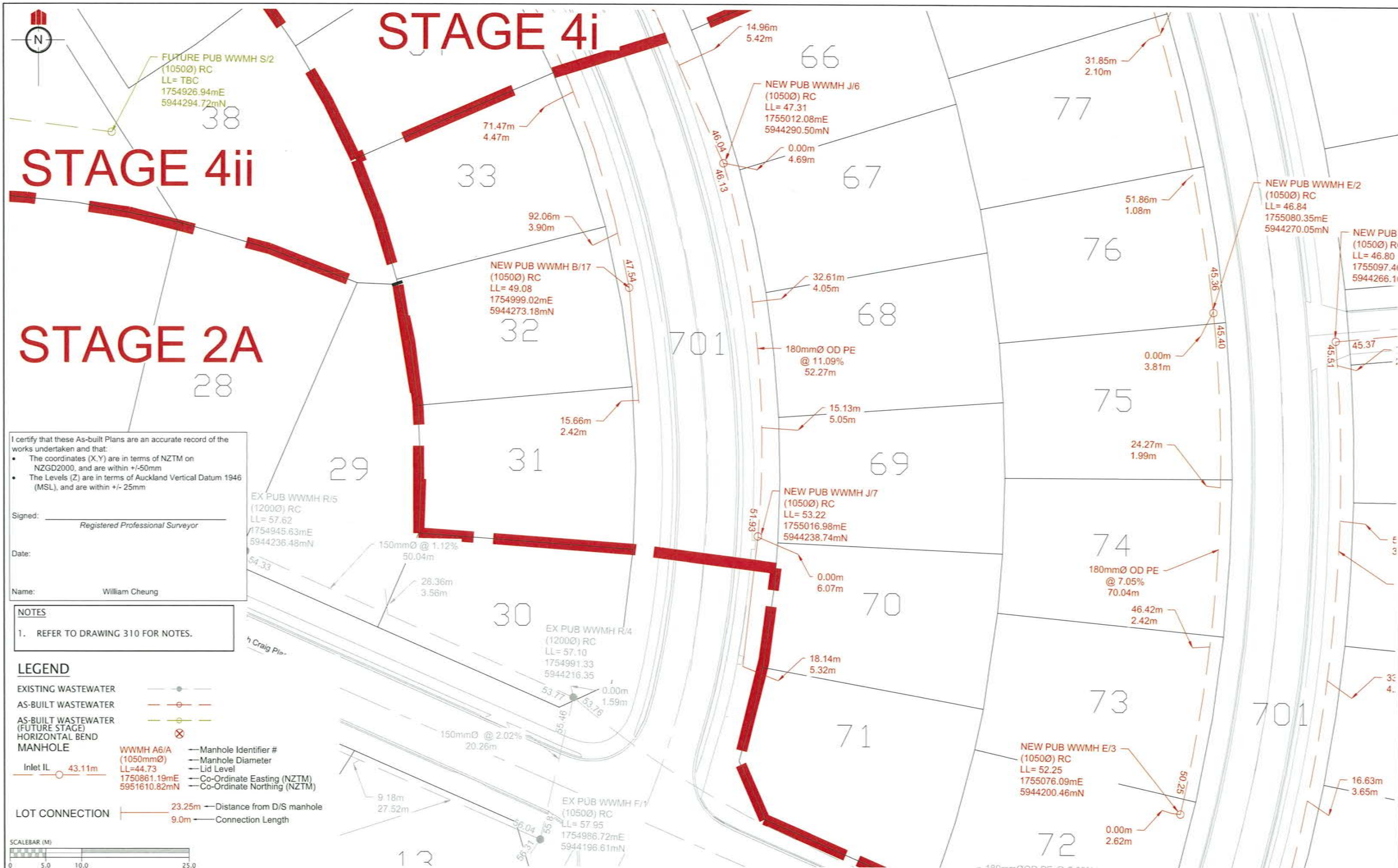
Co-Ordinate Northing (NZTM)

STAGE 3

REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

KAREPIRO DEVELOPMENT - STAGE 2Bi
 WASTEWATER AS-BUILT PLAN
 (SHEET 2 OF 3)
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED: _____	DRAWN: SL
APPROVED: _____	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-312	REV. 1



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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

NOTES

1. REFER TO DRAWING 310 FOR NOTES.

LEGEND

EXISTING WASTEWATER ————

AS-BUILT WASTEWATER ————

AS-BUILT WASTEWATER (FUTURE STAGE) ————

HORIZONTAL BEND ————

MANHOLE ————

Inlet IL 43.11m

WWMH A6/A (1050mmØ) LL=44.73 1750861.19mE 5951610.82mN

Manhole Identifier #

Manhole Diameter

Lid Level

Co-Ordinate Easting (NZTM)

Co-Ordinate Northing (NZTM)

LOT CONNECTION ———— 23.25m — Distance from D/S manhole

9.0m — Connection Length



REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

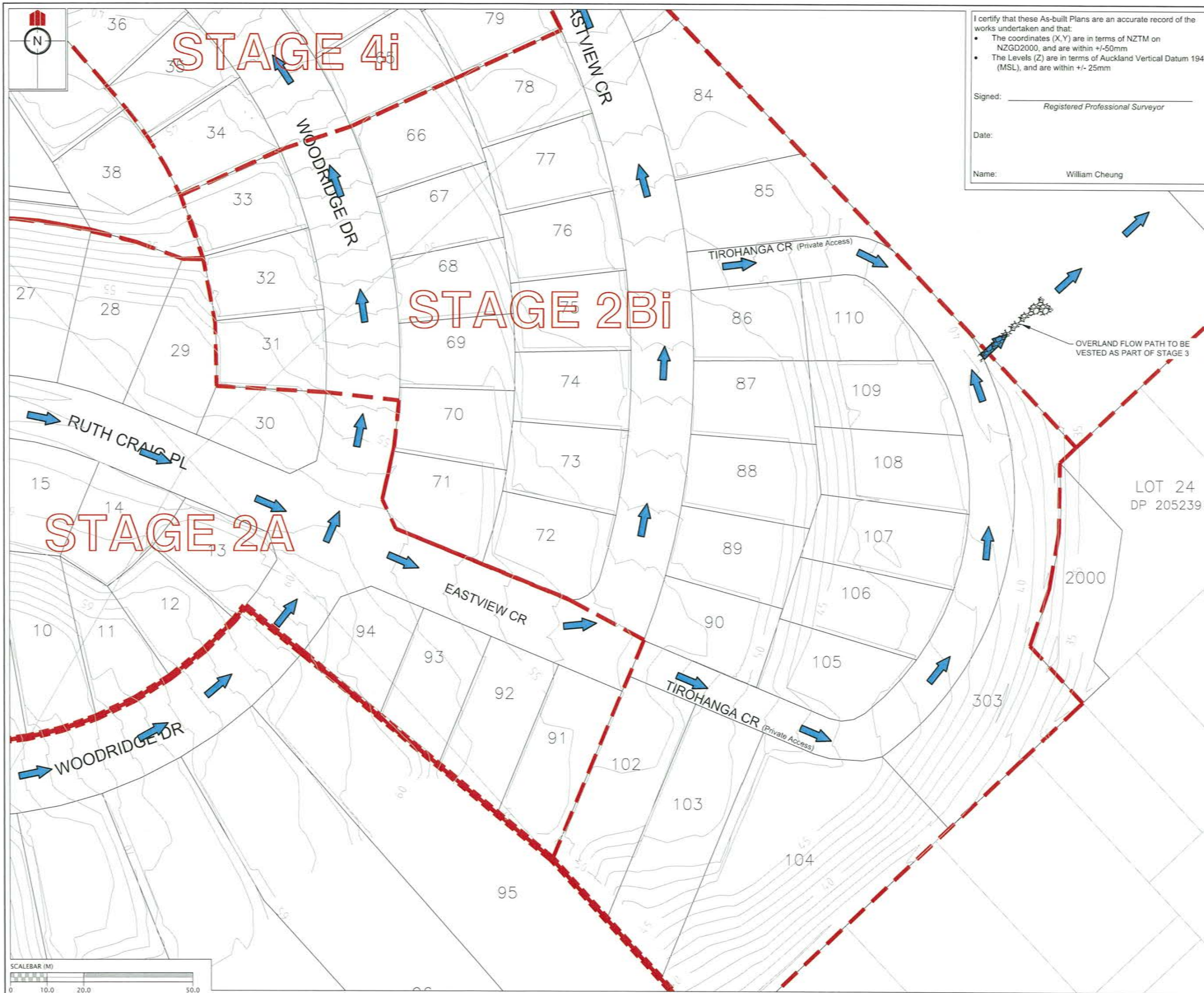
KAREPIRO DEVELOPMENT - STAGE 2Bi

WASTEWATER AS-BUILT PLAN
(SHEET 3 OF 3)

AUCKLAND COUNCIL



DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-313	REV. 1



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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

NOTES

- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
- COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
- LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SUBDIVISION STAGE 8 EXTENTS
	OVERLAND FLOW PATH
	RENO MATTRESS OVERLAND FLOW PATH

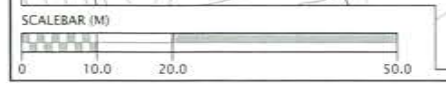


**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**AS-BUILT OVERLAND FLOW PATH
PLAN - STAGE 2Bi**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED: _____	DRAWN: SL
APPROVED: _____	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-390	REV. 1





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- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

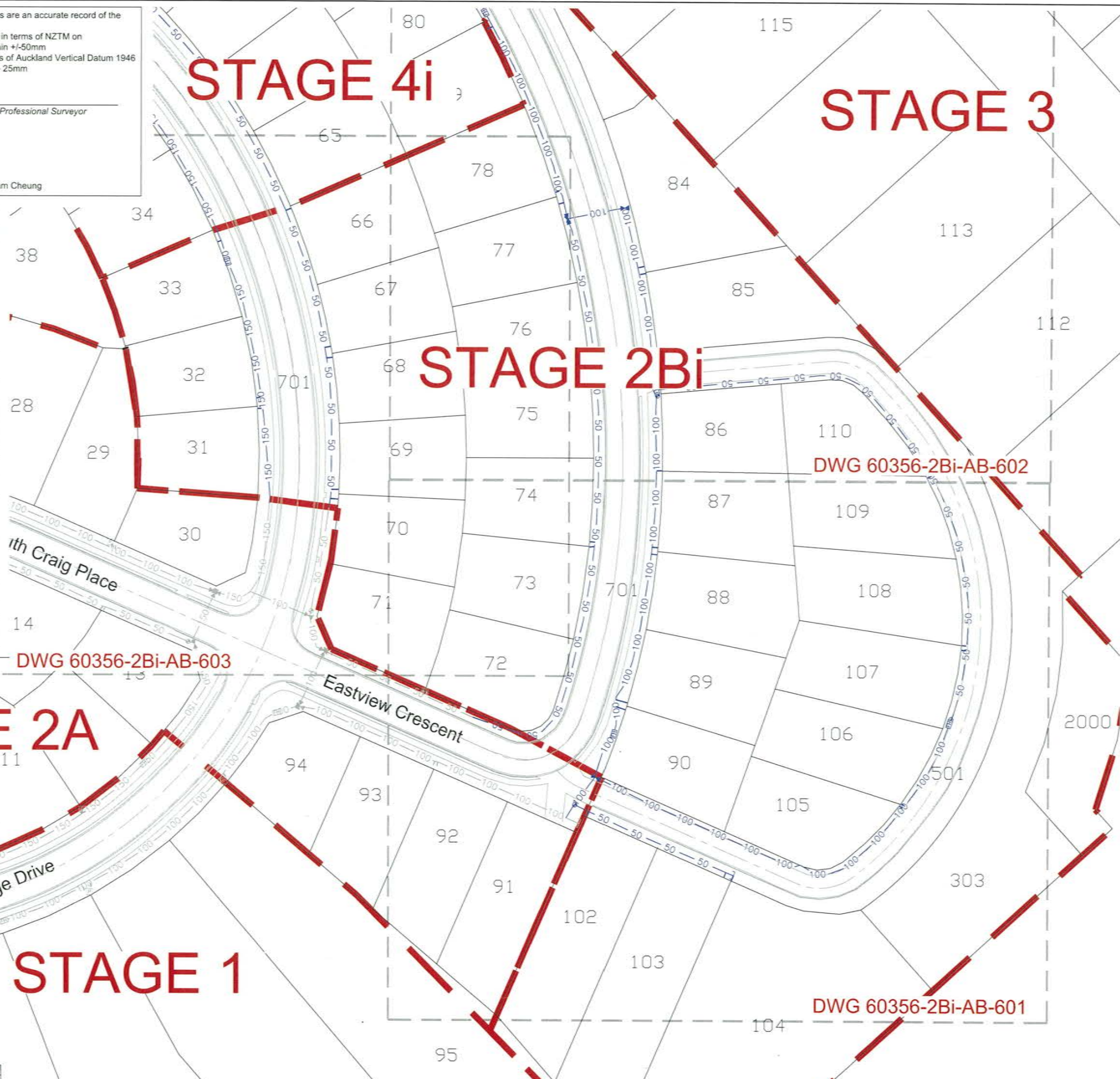
Name: William Cheung

SLUICE VALVE		
ID	SCHEDULE OF COORDINATES	
SV12	5944354.46 mN	1754942.02 mE
SV13	5944387.32 mN	1754953.96 mE
SV14	5944306.30 mN	1755076.30 mE
SV15	5944305.82 mN	1755076.39 mE
SV16	5944308.85 mN	1755090.44 mE
SV17	5944168.01 mN	1755083.81 mE
SV18	5944375.90 mN	1754964.43 mE

PEET VALVE		
ID	SCHEDULE OF COORDINATES	
PV5	5944161.20 mN	1755078.65 mE
PV6	5944263.15 mN	1755098.56 mE
PV7	5944182.42 mN	1755171.92 mE

FIRE HYDRANT		
ID	SCHEDULE OF COORDINATES	
FH8	5944295.30 mN	1754992.00 mE
FH9	5944181.63 mN	1755171.61 mE
FH10	5944178.77 mN	1755088.18 mE
FH11	5944263.77 mN	1755098.37 mE
FH12	5944357.11 mN	1755055.63 mE

BLANK CAP		
ID	SCHEDULE OF COORDINATES	
BC5	5944235.54 mN	1755002.51 mE
BC6	5944234.60 mN	1755017.30 mE

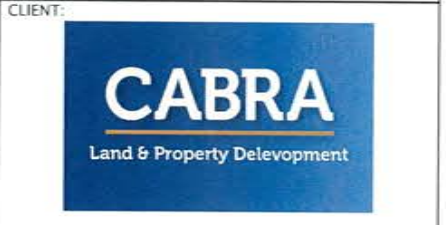


REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
 - PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWING 18000 SHEET 4.4 UNLESS OTHERWISE NOTED.
 - ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
 - ALL PIPE DIAMETERS ARE INTERNAL DIAMETERS.
 - ALL LINES SHOWN ARE NEW PUBLIC LINES UNLESS NOTED OTHERWISE
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

STAGE BOUNDARY	
AS-BUILT WATERMAIN	
EXISTING WATERMAIN	
SLUICE VALVE	
PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
HOUSE CONNECTION	



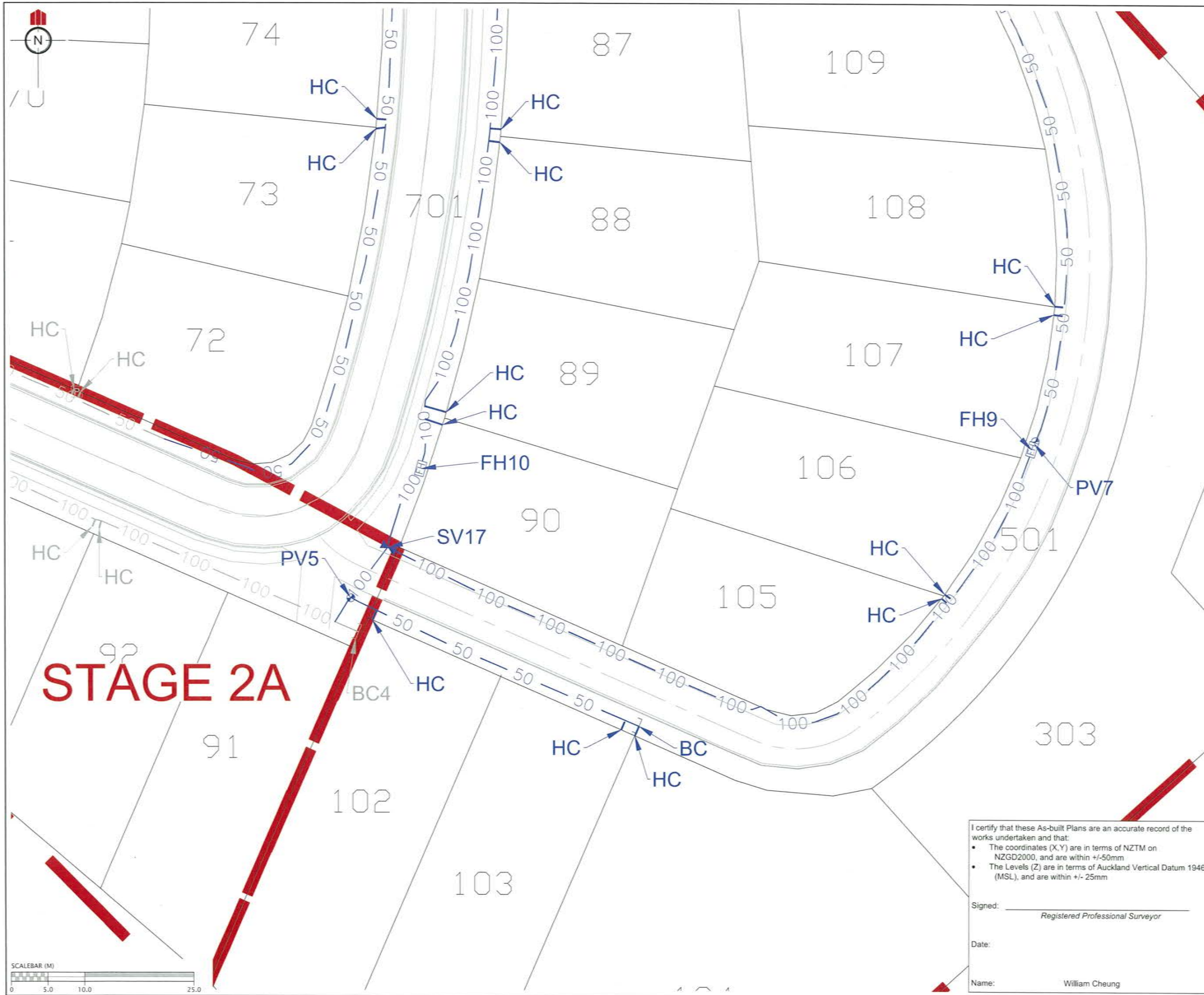
**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**AS-BUILT WATER RETICULATION
PLAN - OVERALL**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWC. NO. 60356-2Bi-AB-600	REV. 1



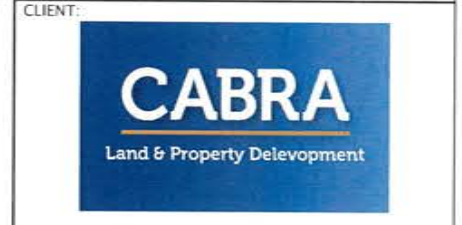


REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
 - PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWING 1 8000 SHEET 4.4 UNLESS OTHERWISE NOTED.
 - ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
 - ALL PIPE DIAMETERS ARE INTERNAL DIAMETERS.
 - ALL LINES SHOWN ARE NEW PUBLIC LINES UNLESS NOTED OTHERWISE
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

STAGE BOUNDARY	
AS-BUILT WATERMAIN	
EXISTING WATERMAIN	
SLUICE VALVE	
PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
HOUSE CONNECTION	



**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**AS-BUILT WATER RETICULATION
PLAN (SHEET 1 OF 3)**

AUCKLAND COUNCIL

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

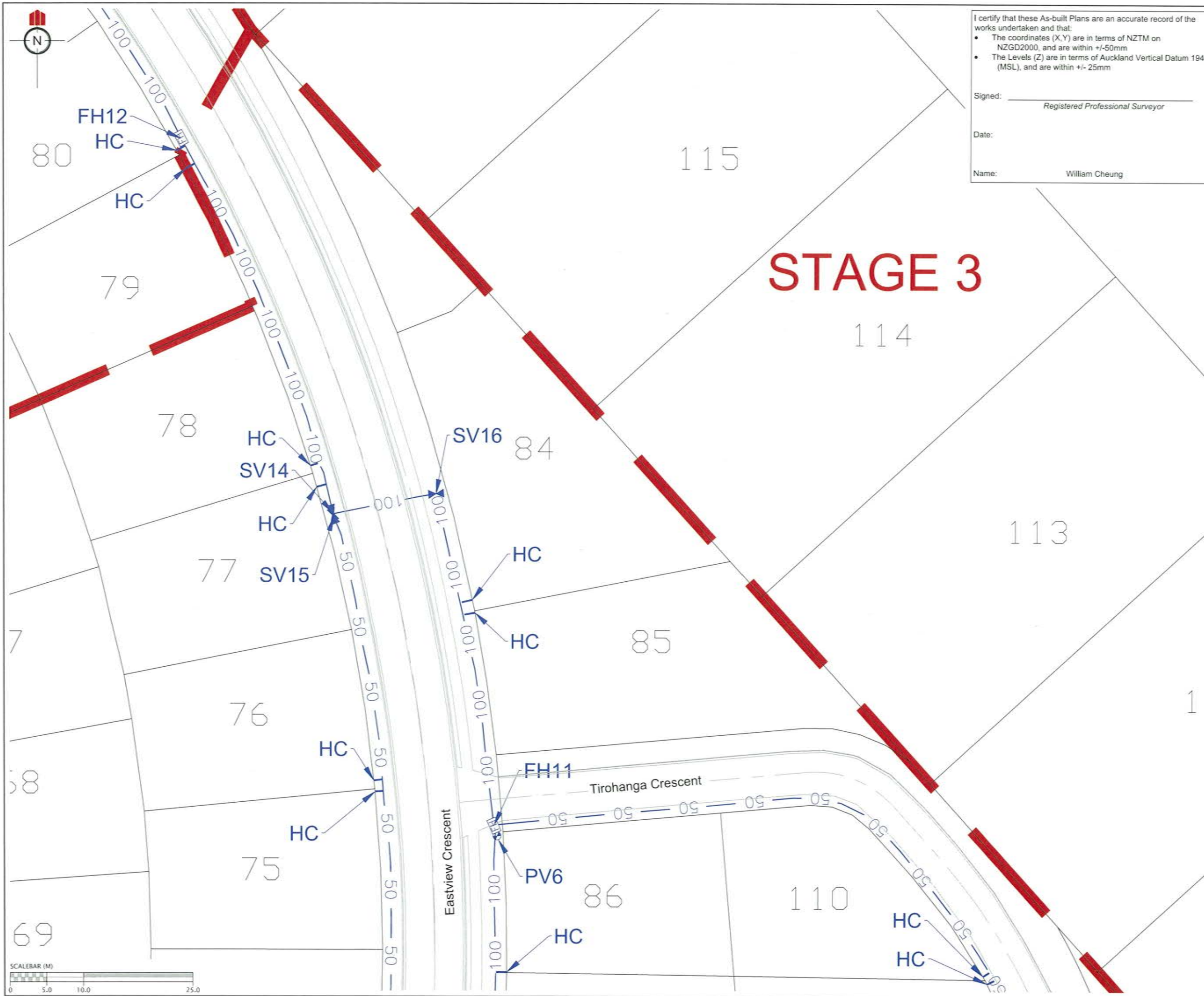
- The coordinates (X,Y) are in terms of NZTM on NZGD2000, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED: _____	DRAWN: SL
APPROVED: _____	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWC. NO. 60356-2Bi-AB-601	REV. 1



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

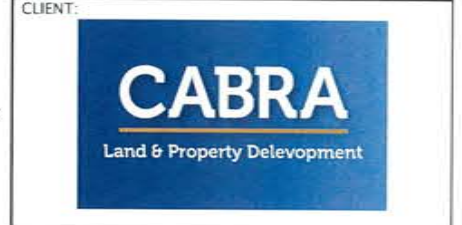
Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
 - PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWING 1 8000 SHEET 4.4 UNLESS OTHERWISE NOTED.
 - ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
 - ALL PIPE DIAMETERS ARE INTERNAL DIAMETERS.
 - ALL LINES SHOWN ARE NEW PUBLIC LINES UNLESS NOTED OTHERWISE
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - ALL FACILITIES ABOVE RL 75.00 WILL REQUIRE BOOSTER PUMPS TO BE INSTALLED BY THE LOT OWNERS.

LEGEND

STAGE BOUNDARY	
AS-BUILT WATERMAIN	
EXISTING WATERMAIN	
SLUICE VALVE	
PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
HOUSE CONNECTION	

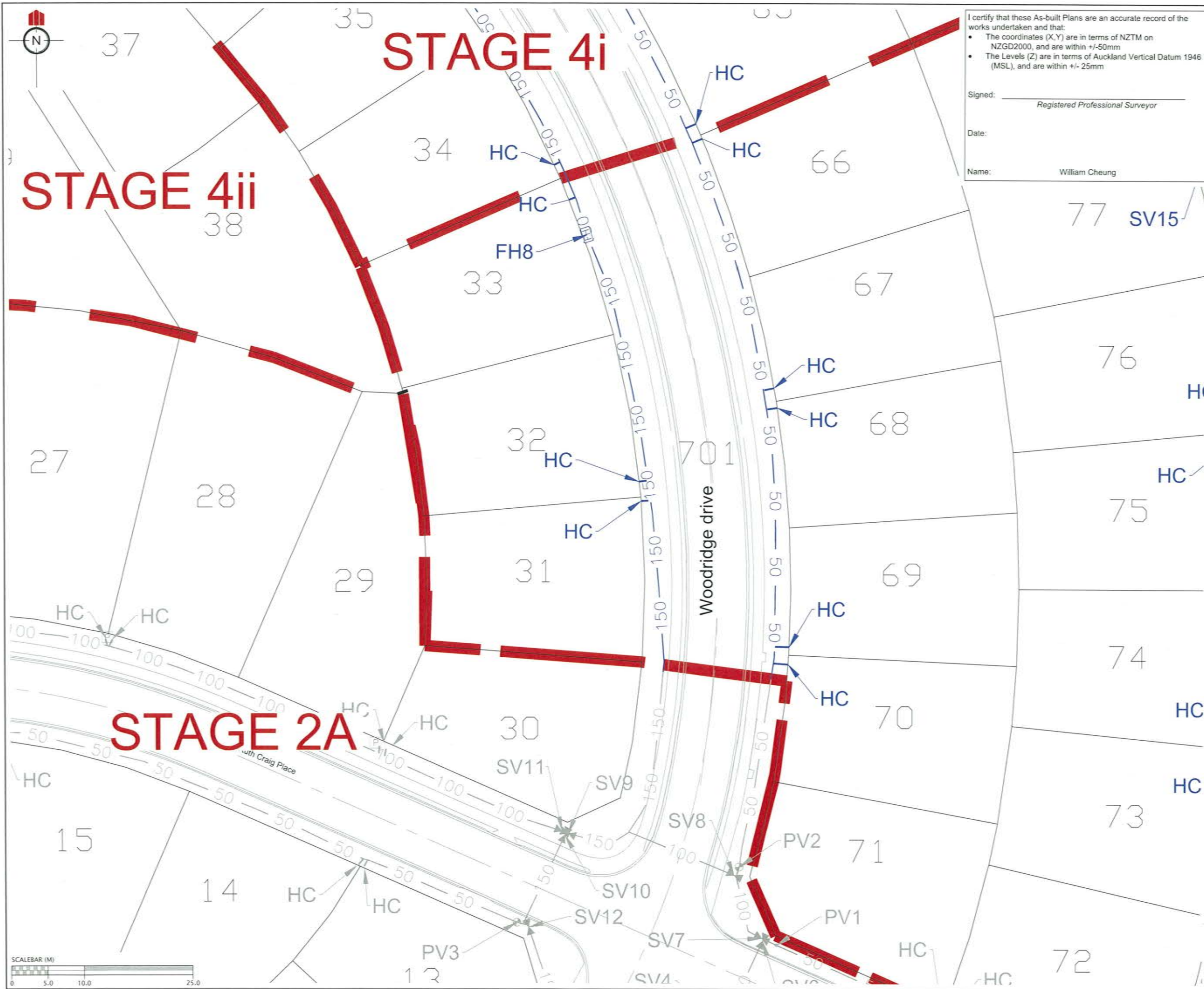


**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**AS-BUILT WATER RETICULATION
PLAN - (SHEET 2 OF 3)**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-602	REV. 1



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

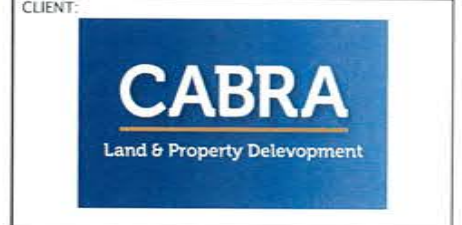
Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
 - PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWING 18000 SHEET 4.4 UNLESS OTHERWISE NOTED.
 - ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
 - ALL PIPE DIAMETERS ARE INTERNAL DIAMETERS.
 - ALL LINES SHOWN ARE NEW PUBLIC LINES UNLESS NOTED OTHERWISE
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - ALL FACILITIES ABOVE RL 75.00 WILL REQUIRE BOOSTER PUMPS TO BE INSTALLED BY THE LOT OWNERS.

LEGEND

STAGE BOUNDARY	
AS-BUILT WATERMAIN	
EXISTING WATERMAIN	
SLUICE VALVE	
PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
HOUSE CONNECTION	

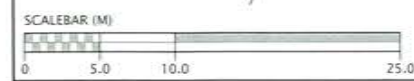


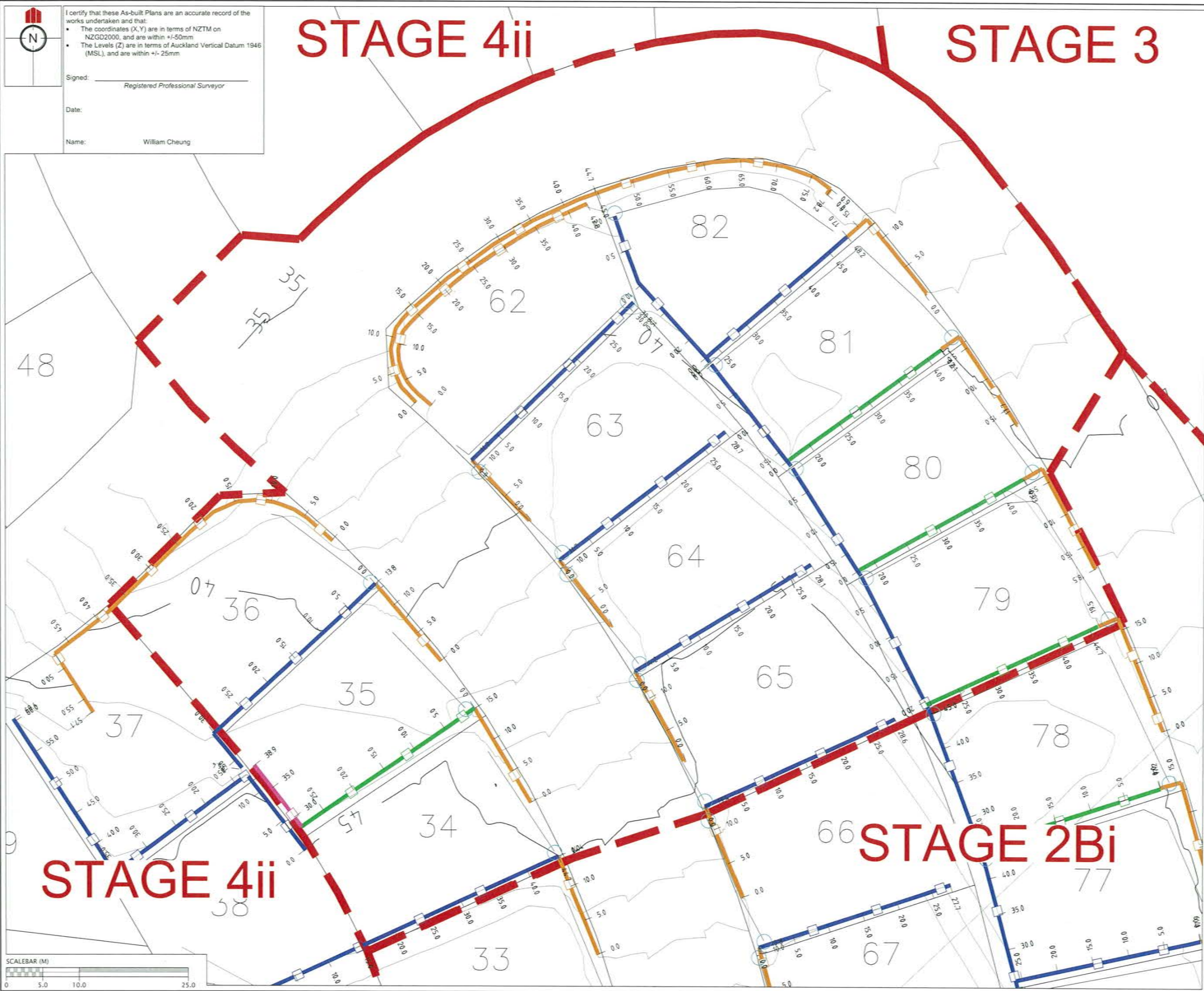
**KAREPIRO DEVELOPMENT
STAGE 2Bi**

**AS-BUILT WATER RETICULATION
PLAN - (SHEET 3 OF 3)**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-2Bi-AB-603	REV. 1





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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

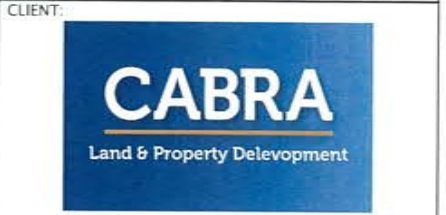
REVISION DETAILS	NAME	DATE
1. ISSUED FOR ASBUILT	BP	26/2/16

LEGEND

- CONTOURS (1.0m INTERVAL)
- RETAINING WALL TYPE D
- RETAINING WALL TYPE E
- RETAINING WALL TIMBER TWO TIER
- RETAINING WALL KEystone
- PRIVATE DRAINAGE
- PRIVATE DRAINAGE CATCHPIT

NOTES

- WHERE WALLS FALL TOWARDS FRONT OF LOTS, PRIVATE DRAINAGE CONNECTS INTO PUBLIC SW SYSTEM AT LOT CONNECTION.
- WHERE WALLS FALL TOWARDS BACK OF LOTS, PRIVATE DRAINAGE DISCHARGES TO BUSH WHERE POSSIBLE OR IF NOT POSSIBLE THEN IS PIPED TO FRONT OF LOT AND CONNECTS TO PUBLIC SW SYSTEM AT LOT CONNECTION.
- WALLS WITH LARGE TOP SLOPES HAVE DISH CHANNELS INSTALLED WHICH ARE PIPED TO THE PUBLIC SW SYSTEM.
- ALL WALLS ABOVE 1.2m HAVE BARRIER FENCES INSTALLED.



**KAREPIRO DEVELOPMENT
STAGE 4i**

RETAINING WALLS ASBUILT PLAN

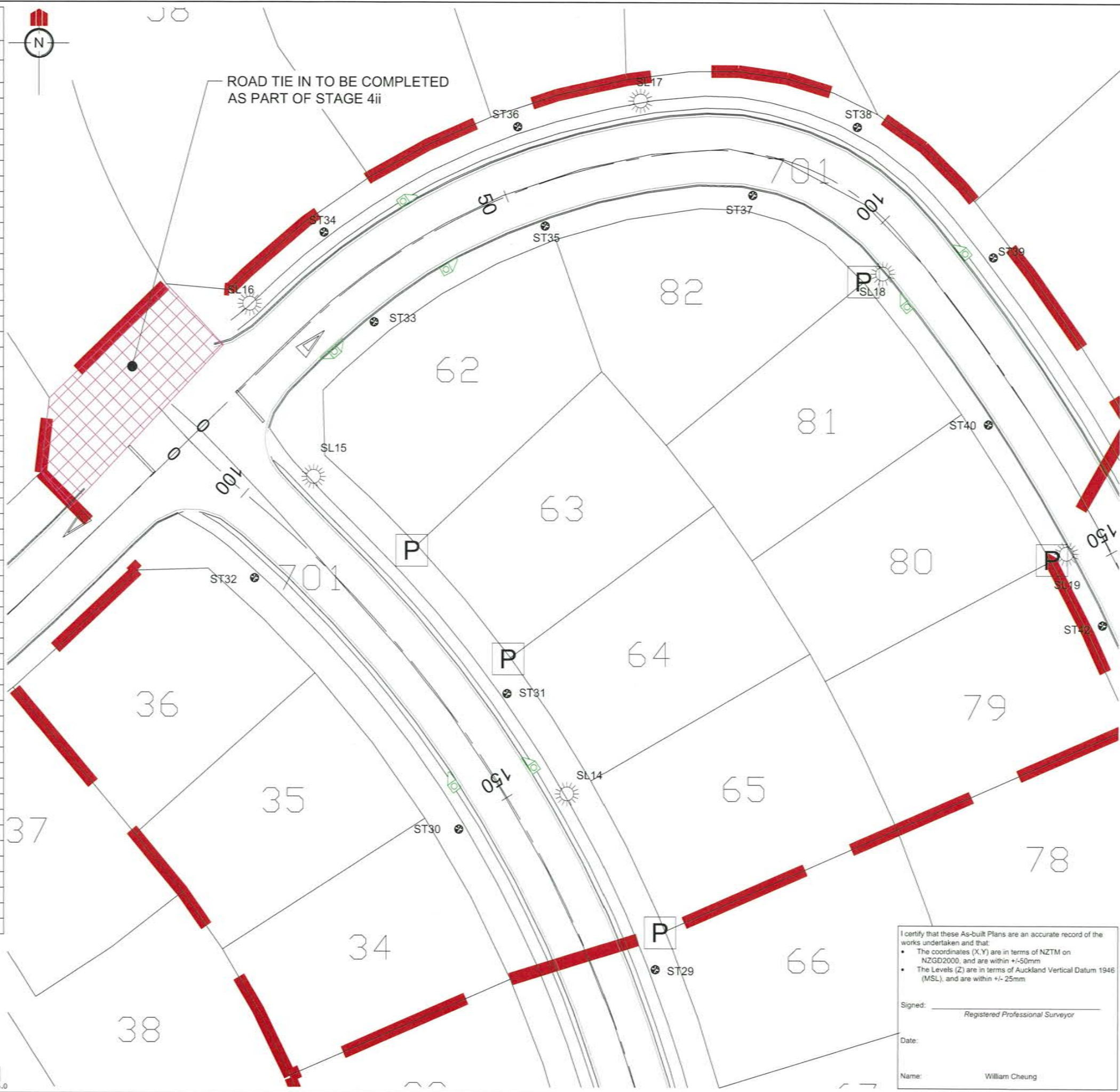
AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED: _____	DRAWN: SL
APPROVED: _____	SURVEYED: WC
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWC. NO. 60356-4i-AB-150	REV. 1



SCHEDULE OF COORDINATES STREETLIGHTS		
STREET LIGHT	mE POSITION	mN POSITION
SL13	1755014.60	5944272.23
SL14	1754995.36	5944325.93
SL15	1754963.80	5944365.08
SL16	1754955.85	5944386.48
SL17	1755004.25	5944411.62
SL18	1755034.37	5944390.31
SL19	1755057.34	5944355.81
SL20	1755075.82	5944312.28
SL21	1755096.56	5944260.74
SL22	1755093.24	5944205.03
SL23	1755116.93	5944265.82
SL24	1755145.79	5944267.50
SL25	1755170.38	5944235.78
SL26	1755176.00	5944201.59
SL27	1755158.75	5944159.50
SL28	1755134.98	5944137.89
SL29	1755085.50	5944166.78

TREES		
STREET TREE	mE POSITION	mN POSITION
ST26	1755016.00	5944216.34
ST27	1755016.05	5944265.71
ST28	1754999.49	5944278.14
ST29	1755006.36	5944304.24
ST30	1754981.91	5944321.54
ST31	1754987.91	5944338.30
ST32	1754956.49	5944352.55
ST33	1754971.31	5944384.20
ST34	1754965.05	5944395.27
ST35	1754992.49	5944396.10
ST36	1754989.07	5944408.37
ST37	1755018.20	5944399.97
ST38	1755031.12	5944408.44
ST39	1755048.08	5944392.38
ST40	1755047.57	5944371.71
ST41	1755066.55	5944364.55
ST42	1755061.85	5944346.94
ST43	1755082.61	5944330.55
ST44	1755078.26	5944302.32
ST45	1755095.51	5944279.28
ST46	1755115.16	5944273.90
ST47	1755144.71	5944276.23
ST48	1755166.49	5944257.94
ST49	1755181.49	5944227.52
ST50	1755184.23	5944208.58
ST51	1755179.49	5944179.44
ST52	1755167.14	5944156.61
ST53	1755148.77	5944138.62
ST54	1755122.56	5944142.54
ST55	1755109.61	5944156.76
ST56	1755096.51	5944153.90
ST57	1755084.64	5944175.18
ST58	1755082.59	5944213.88
ST59	1755097.05	5944231.54
ST60	1755084.71	5944259.47



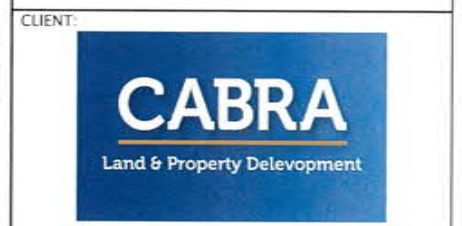
ROAD TIE IN TO BE COMPLETED AS PART OF STAGE 4ii

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION (NOV 2005).
 - ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED ENGINEERING PLANS. SEE 60356-4i-AB-250 FOR CONSTRUCTION DETAILS.
 - ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK. SEE 60356-4i-AB-250 FOR DETAILS.
 - ALL FOOTPATHS ARE 125mm THICK BRUSHED CONCRETE UNLESS OTHERWISE NOTED. SEE 60356-4i-AB-250 FOR DETAILS.
 - ALL PIPE CROSSINGS UNDER ROADS ARE CLASS 4 AND HAVE BEEN HARDFILL BACKFILLED.

LEGEND

ROAD CENTRELINE	
SINGLE SPLAY PIT	
DOUBLE SPLAY PIT	
POWER TUDD	
STREET TREES	
STREET LIGHTS	
STAGE BOUNDARIES	



**KAREPIRO DEVELOPMENT
STAGE 4i**

**ROADING AND STREET TREE
AS-BUILT PLAN**

AUCKLAND COUNCIL

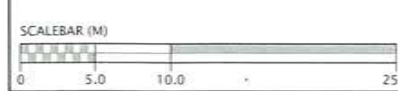
I certify that these As-built Plans are an accurate record of the works undertaken and that:

- The coordinates (X, Y) are in terms of NZTM on NZGD2000, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1986 (MSL), and are within +/- 25mm.

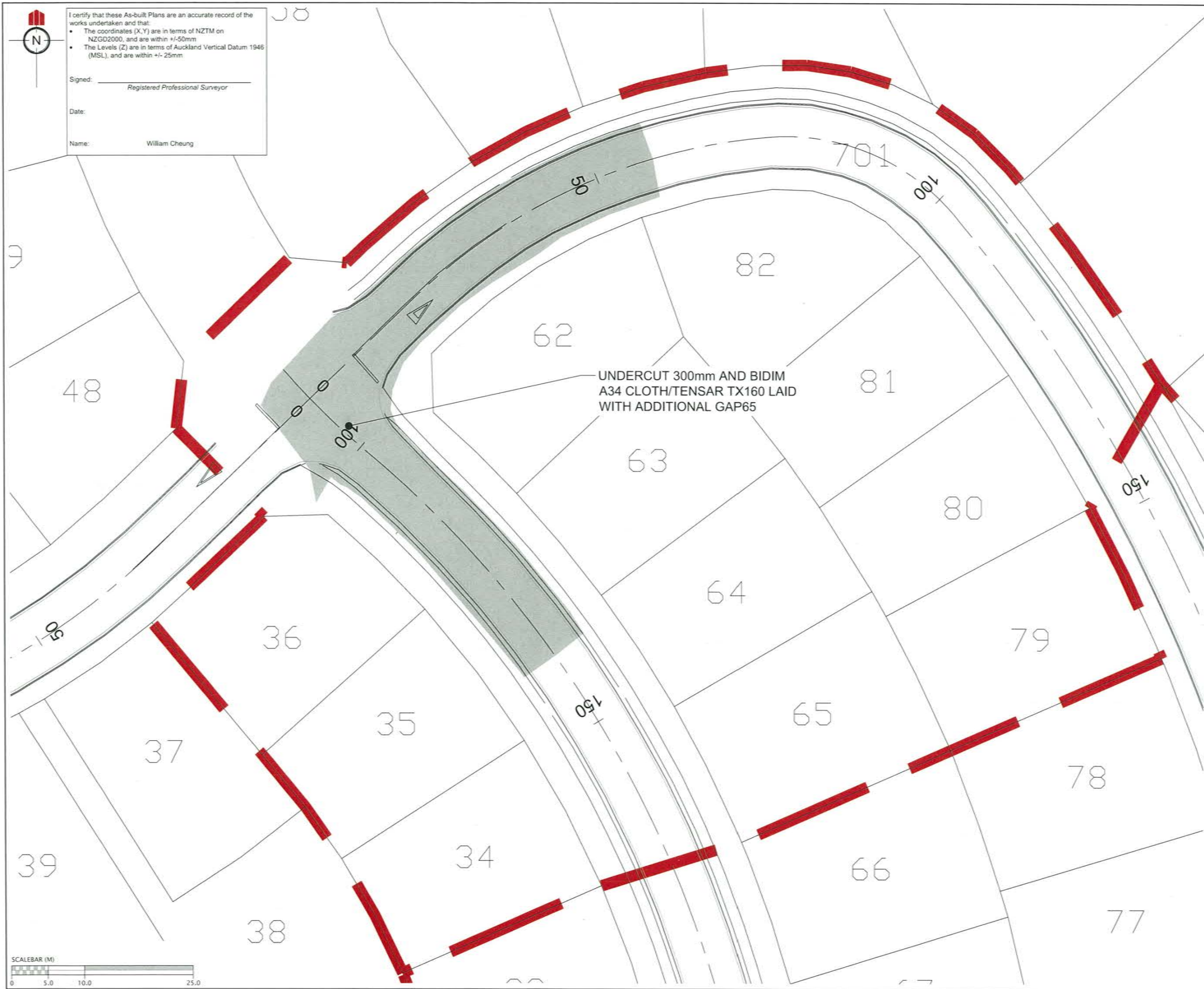
Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung



DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-AB-200	REV. 1



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

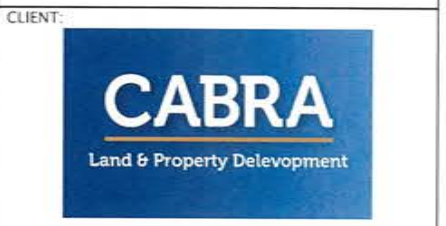
Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

LEGEND	
UNDERCUT AREAS	
STAGE BOUNDARIES	



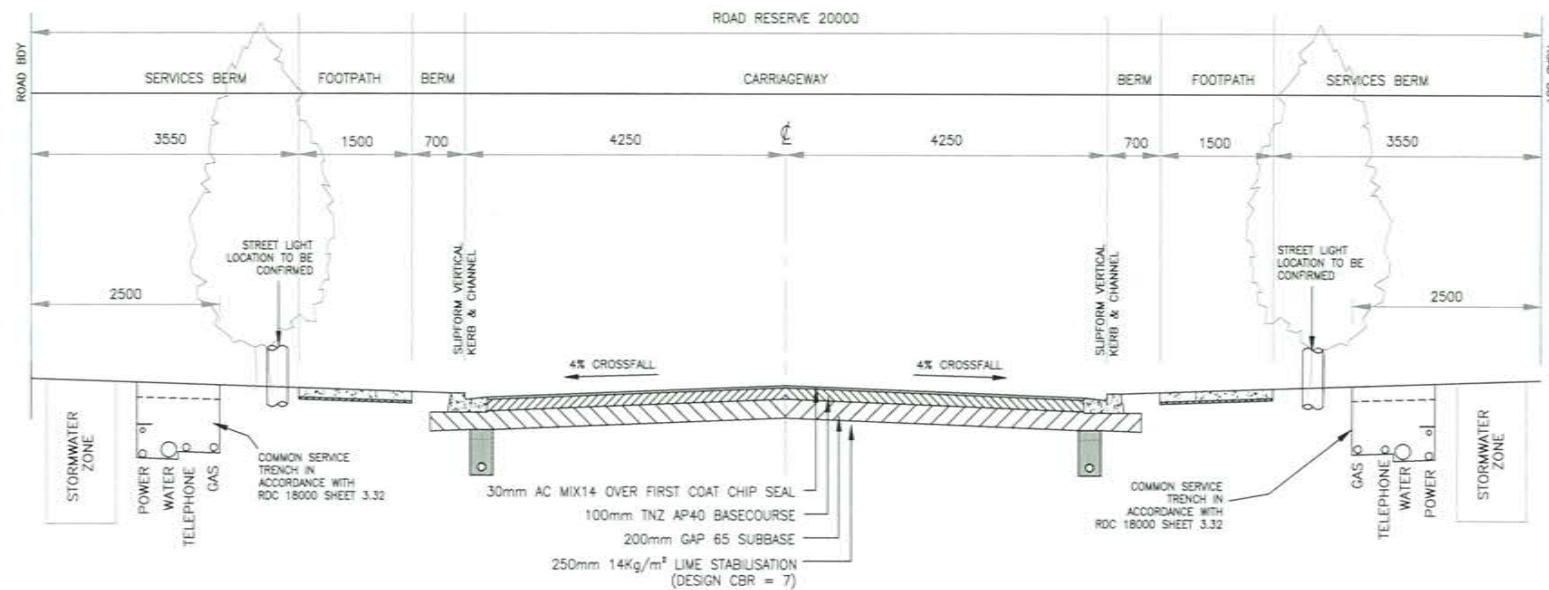
**KAREPIRO DEVELOPMENT
STAGE 4i**

**ROADING UNDERCUT AS-BUILT
PLAN**

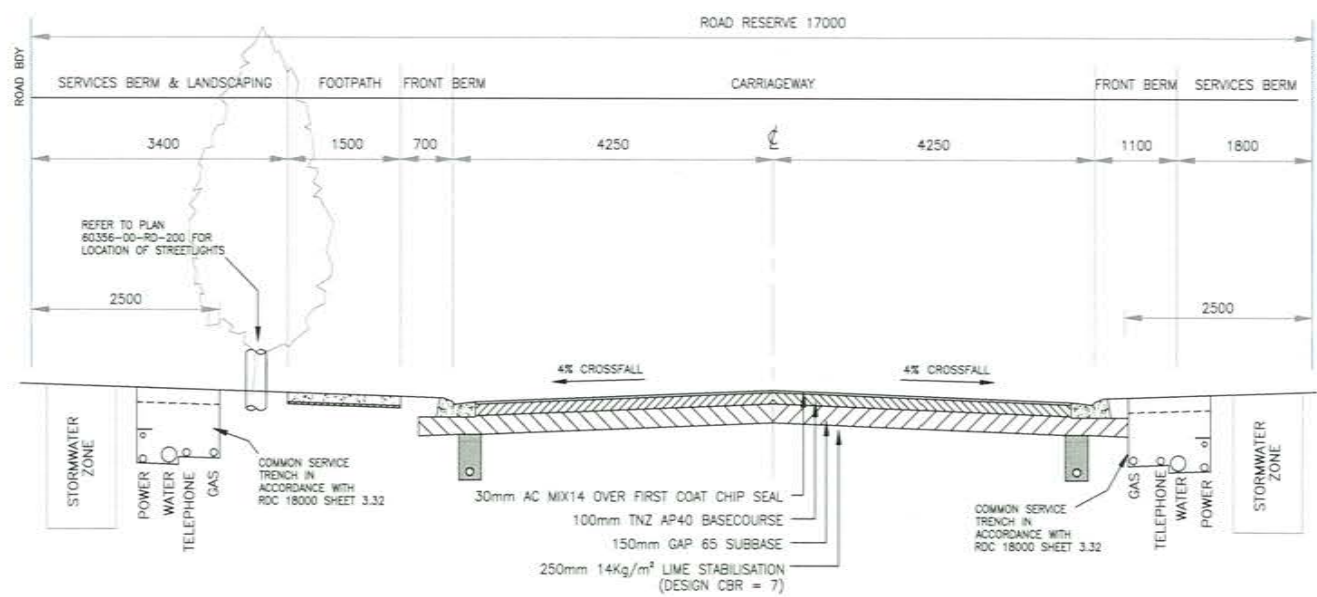
AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-AB-240	REV. 1





TYPICAL CROSS SECTION - WOODRIDGE DRIVE



TYPICAL CROSS SECTION - EASTVIEW CR & SOMMERSET PL

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

CLIENT:



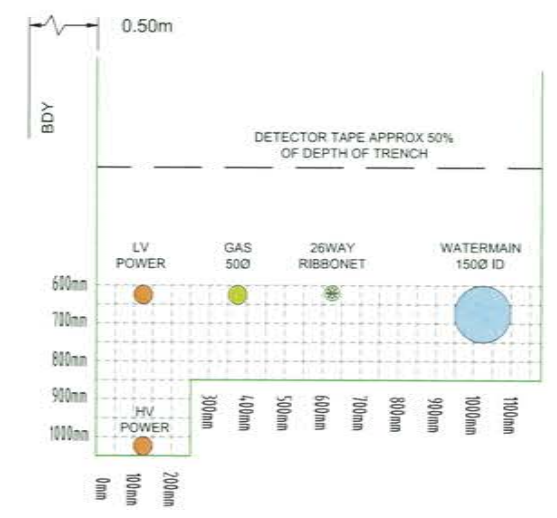
KAREPIRO DEVELOPMENT STAGES 4i

ROADING AS-BUILT TYPICAL SECTIONS

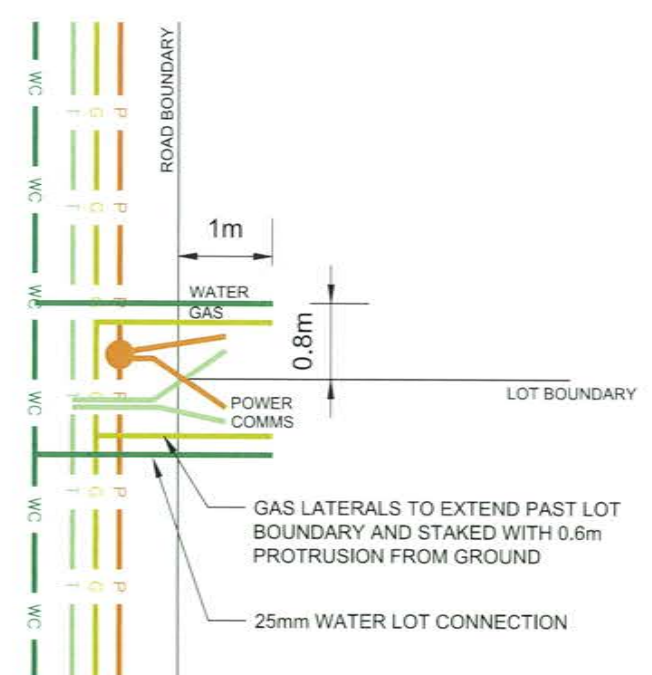
AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: NTS
ISSUED: 26/2/16	
DWG. NO. 60356-4i-AB-250	REV. 1

REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16



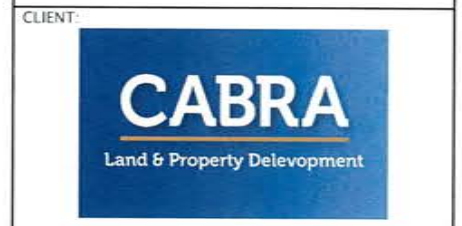
TYPICAL SERVICE TRENCH SECTION
SCALE 1:20 @ A3



SERVICE CONNECTION DETAIL
NTS

NOTES:

1. ROAD CROSSINGS CONSTRUCTED TO AUCKLAND COUNCIL (FORMERLY RDC) ENGINEERING DESIGN STANDARD DETAILS 18000.3.4 & 3.5



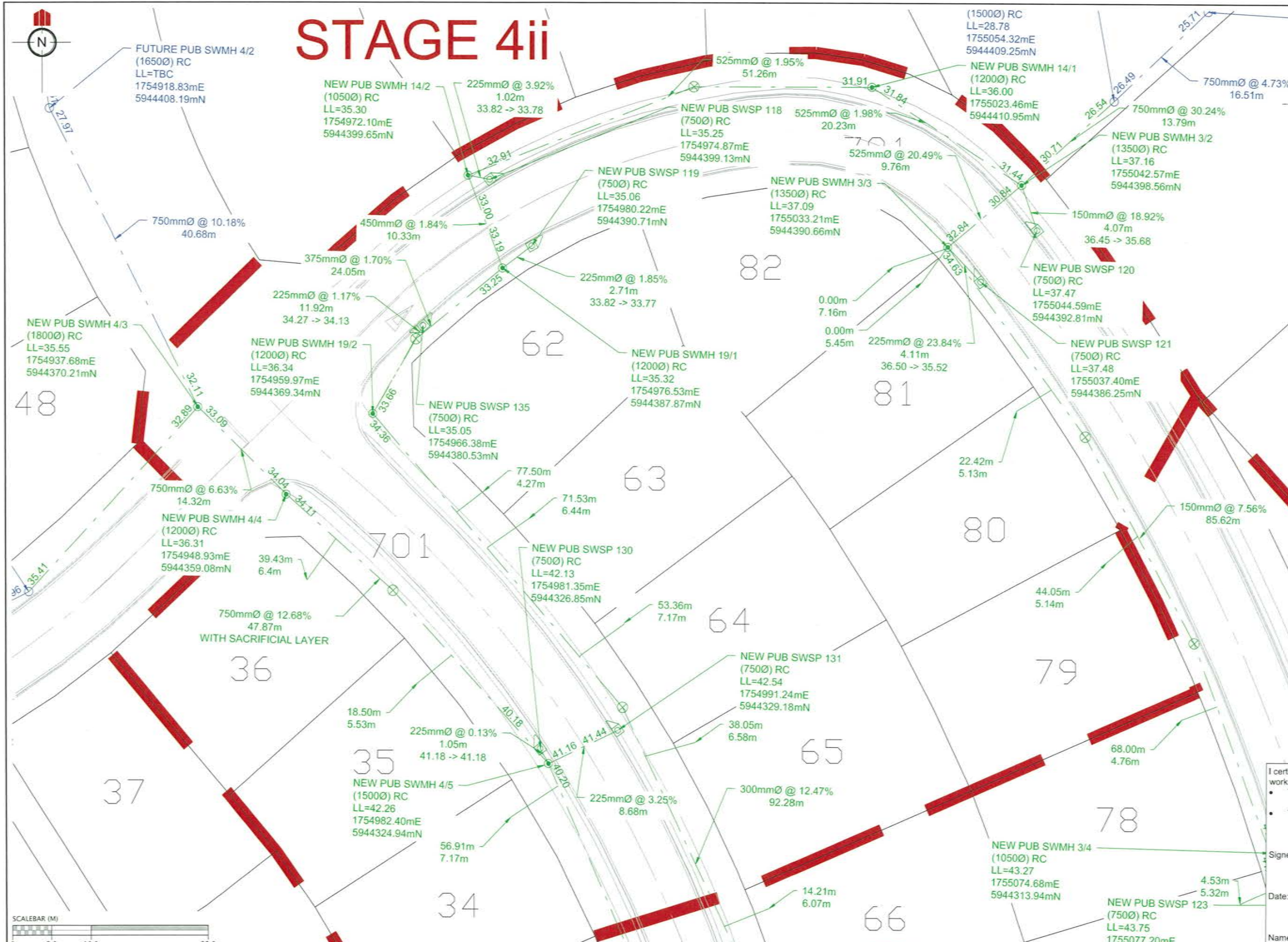
KAREPIRO DEVELOPMENT STAGES 4i

ROADING AS-BUILT TYPICAL SECTIONS

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: AS SHOWN
ISSUED: 26/2/16	
DWC. NO. 60356-4i-AB-251	REV. 1

STAGE 4ii



- ### NOTES
1. ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE JANUARY 2009 AND (WSL) CODE OF PRACTICE FOR WW.
 2. ALL SW PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6. SS PIPE BEDDING COMPLIES WITH WSL CODE OF PRACTICE.
 3. ALL BERM SUMP & CESSPIT LEADS ARE REINFORCED CONCRETE PIPES CLASS 4 (Z) RRJ. ALL OTHER SW PIPELINES ARE REINFORCED CONCRETE CLASS 2 (X) RRJ UNLESS OTHERWISE NOTED IN THE DRAWINGS.
 4. ALL PIPE CROSSINGS UNDER ROADS ARE HARDFILL BACKFILLED.
 5. ALL SW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
 6. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
 7. ALL NEW DRAINAGE LINES ARE PUBLIC UNLESS NOTED AND ARE TO BE VESTED IN AUCKLAND COUNCIL AS PUBLIC DRAINAGE. ALL NEW DRAINAGE LINES MARKED 'PVT' ARE TO REMAIN PRIVATE.
 8. STAGE 4i INCLUDES LOTS 34-36, 62-35 & 79-82.
 9. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

- ### LEGEND
- EXISTING STORMWATER
 - AS-BUILT STORMWATER
 - AS-BUILT STORMWATER (FUTURE STAGE)
 - HORIZONTAL BENDS
 - SINGLE SPLAY PIT
 - DOUBLE SPLAY PIT

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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	

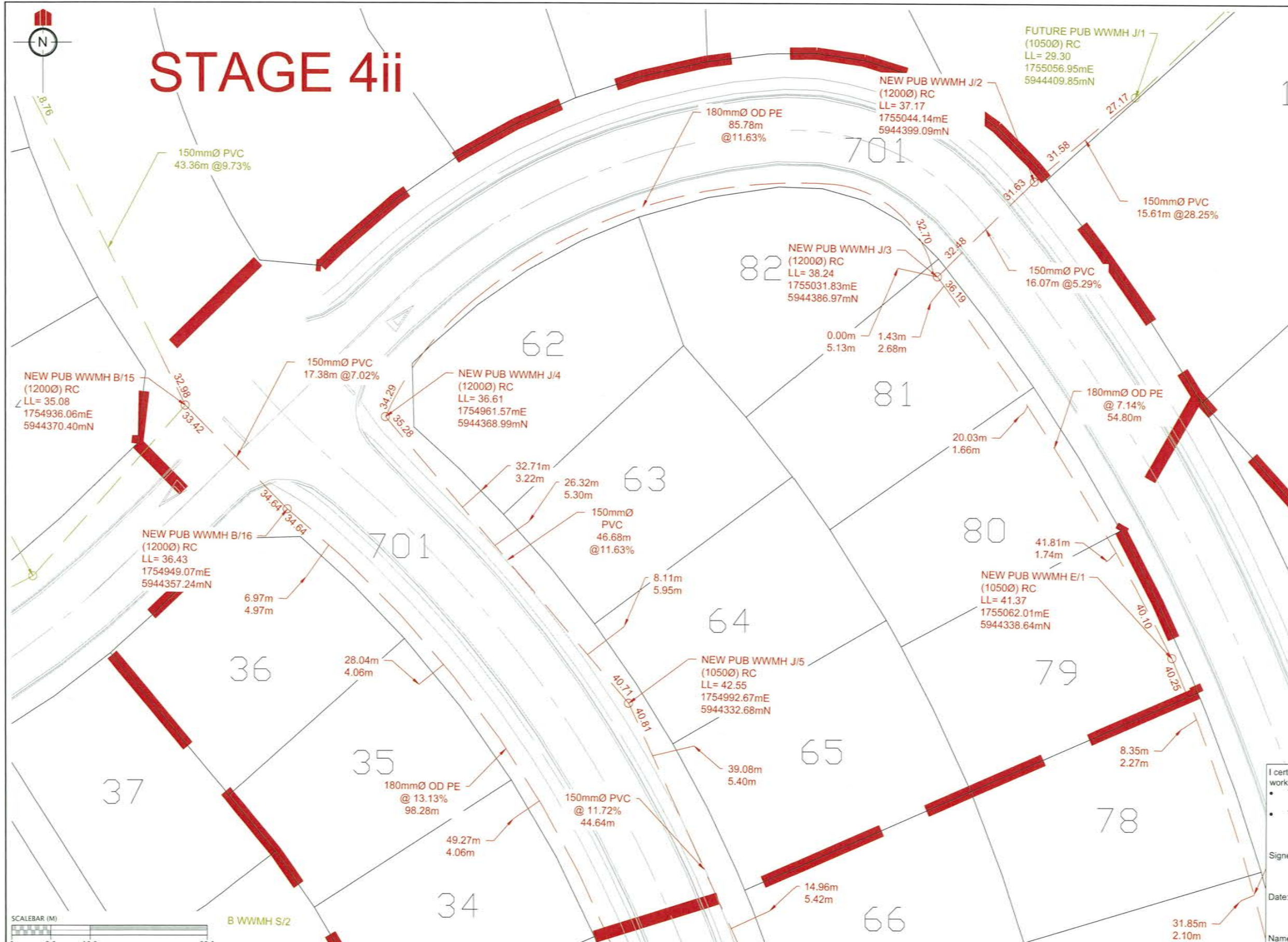


KAREPIRO DEVELOPMENT - STAGE 4i
STORMWATER AS-BUILT PLAN
 AUCKLAND COUNCIL



DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-AB-300	REV. 1

STAGE 4ii



- ### NOTES
1. ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE JANUARY 2009 AND (WSL) CODE OF PRACTICE FOR WW.
 2. ALL PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6 AND WITH WSL CODE OF PRACTICE.
 3. WW PIPES ARE 150mm DIA. uPVC SN16 UNLESS OTHERWISE NOTED IN THE DRAWINGS, IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
 4. ALL PIPE CROSSINGS UNDER ROADS ARE HARDFILL BACKFILLED.
 5. ALL WW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
 6. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
 7. ALL NEW DRAINAGE LINES ARE PUBLIC UNLESS NOTED AND ARE TO BE VESTED IN AUCKLAND COUNCIL AS PUBLIC DRAINAGE. ALL NEW DRAINAGE LINES MARKED 'PVT' ARE TO REMAIN PRIVATE.
 8. STAGE 4i INCLUDES LOTS 34-36, 62-35 & 79-82.
 9. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

- ### LEGEND
- EXISTING WASTEWATER
 - AS-BUILT WASTEWATER
 - AS-BUILT WASTEWATER (FUTURE STAGE)
 - STAGE BOUNDARIES
 - HORIZONTAL BENDS

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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

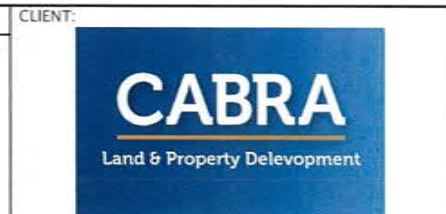
Date: _____

Name: William Cheung

SCALEBAR (M)

0	5.0	10.0	25.0
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REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/2/16	CABRA



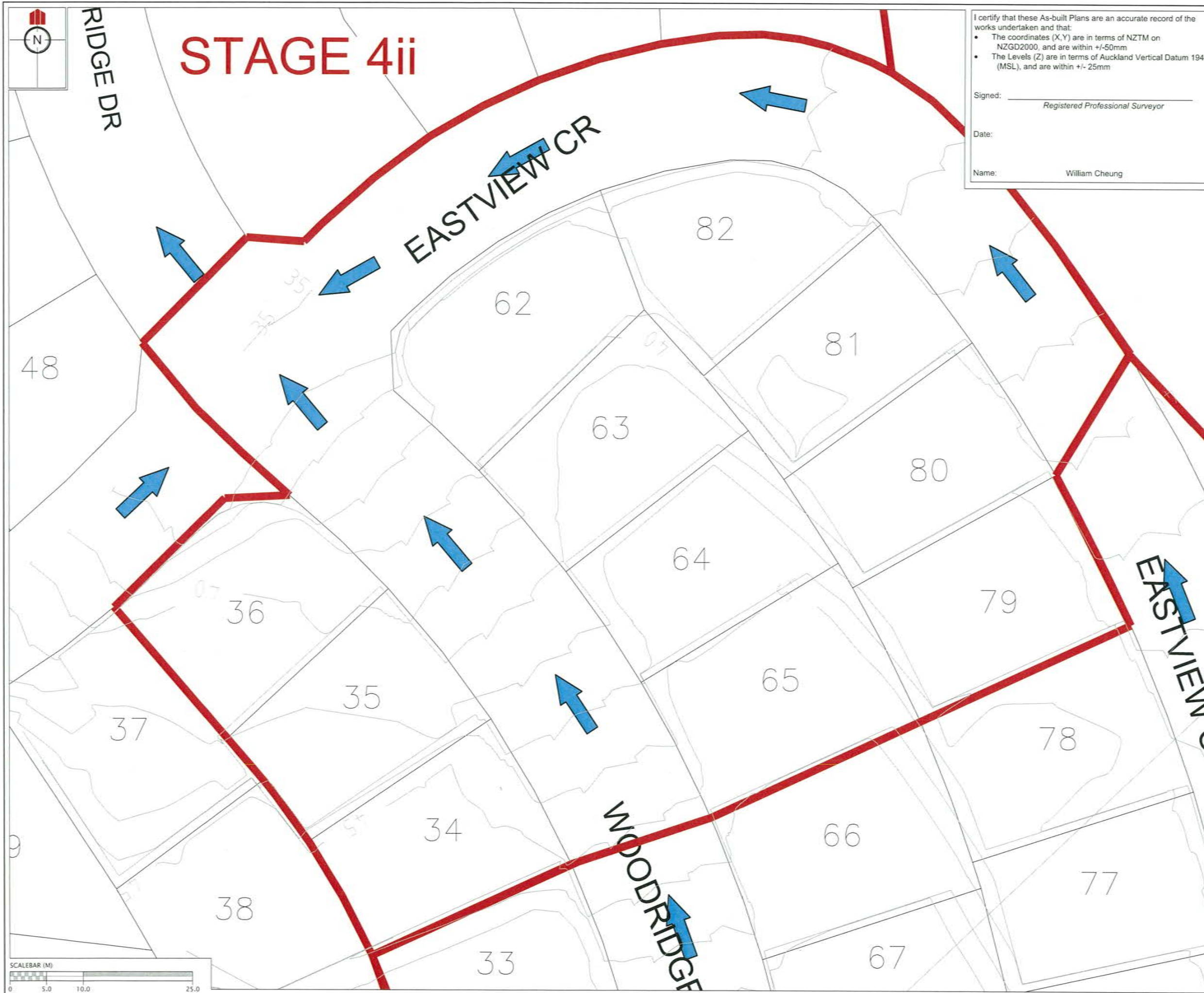
KAREPIRO DEVELOPMENT - STAGE 4i

WASTEWATER AS-BUILT PLAN

AUCKLAND COUNCIL



DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-AB-310	REV. 1



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, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

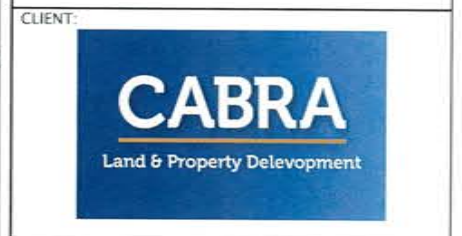
REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

NOTES

- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
- COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
- LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SUBDIVISION STAGE 8 EXTENTS
	OVERLAND FLOW PATH



**KAREPIRO DEVELOPMENT
STAGE 4i**

**AS-BUILT OVERLAND FLOW PATH
PLAN - STAGE 4i**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:500 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-AB-390	REV. 1



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

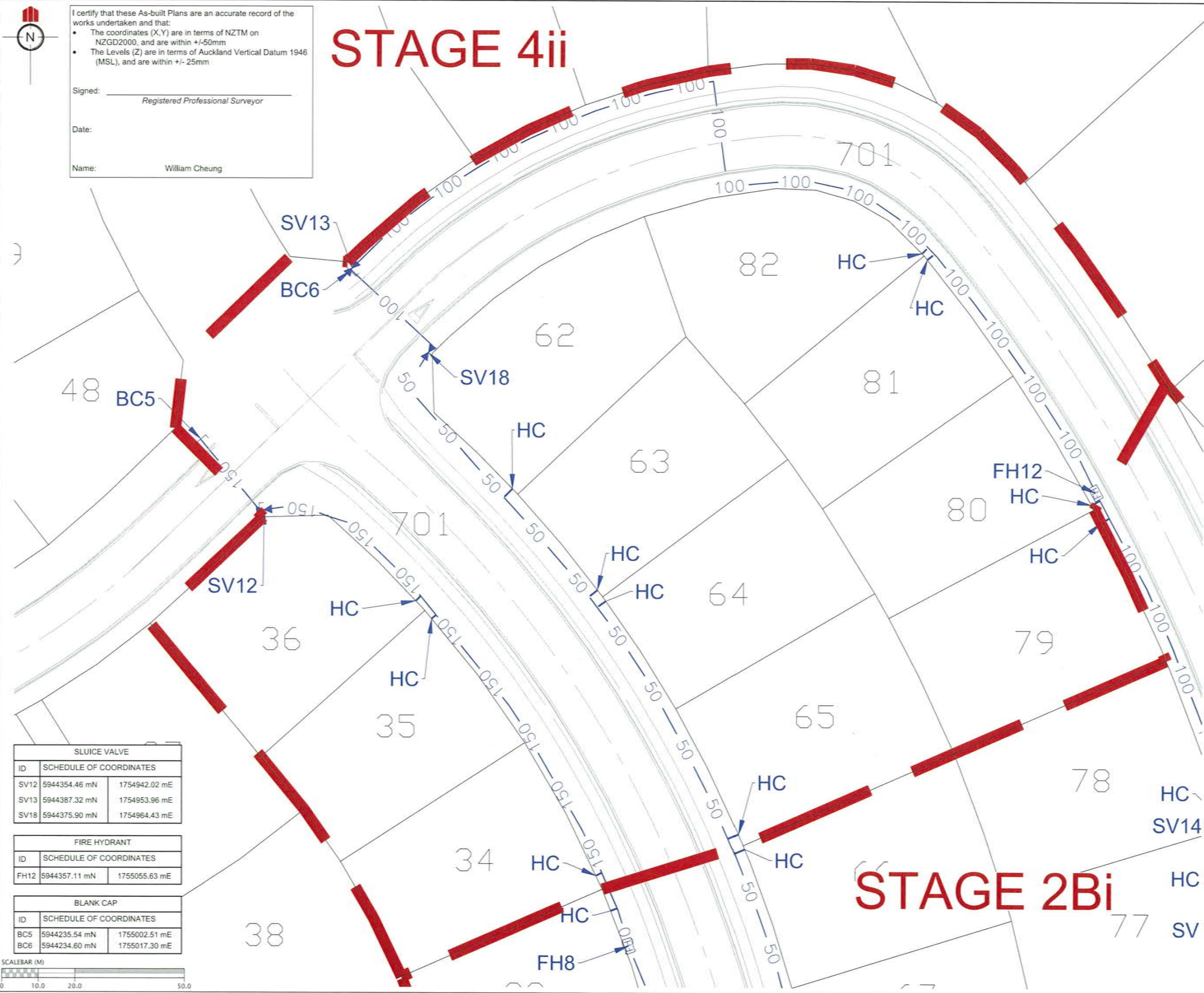
- The coordinates (X,Y) are in terms of NZTM on NZGD2000, and are within +/-50mm
- The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL), and are within +/- 25mm

Signed: _____
Registered Professional Surveyor

Date: _____

Name: William Cheung

STAGE 4ii

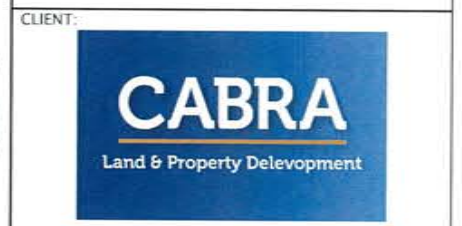


REVISION DETAILS	NAME	DATE
1. ISSUED FOR AS-BUILT	BP	26/2/16

- NOTES**
- ALL WORKS AND MATERIALS COMPLIES WITH AC STANDARD FOR ENGINEERING DESIGN AND CONSTRUCTION.
 - PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWING 18000 SHEET 4.4 UNLESS OTHERWISE NOTED.
 - ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
 - ALL PIPE DIAMETERS ARE INTERNAL DIAMETERS.
 - ALL LINES SHOWN ARE NEW PUBLIC LINES UNLESS NOTED OTHERWISE
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

STAGE BOUNDARY	
AS-BUILT WATERMAIN	
EXISTING WATERMAIN	
SLUIICE VALVE	
PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
HOUSE CONNECTION	



**KAREPIRO DEVELOPMENT
STAGE 4i**

**AS-BUILT WATER RETICULATION
PLAN**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: SL
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-AB-600	REV. 1

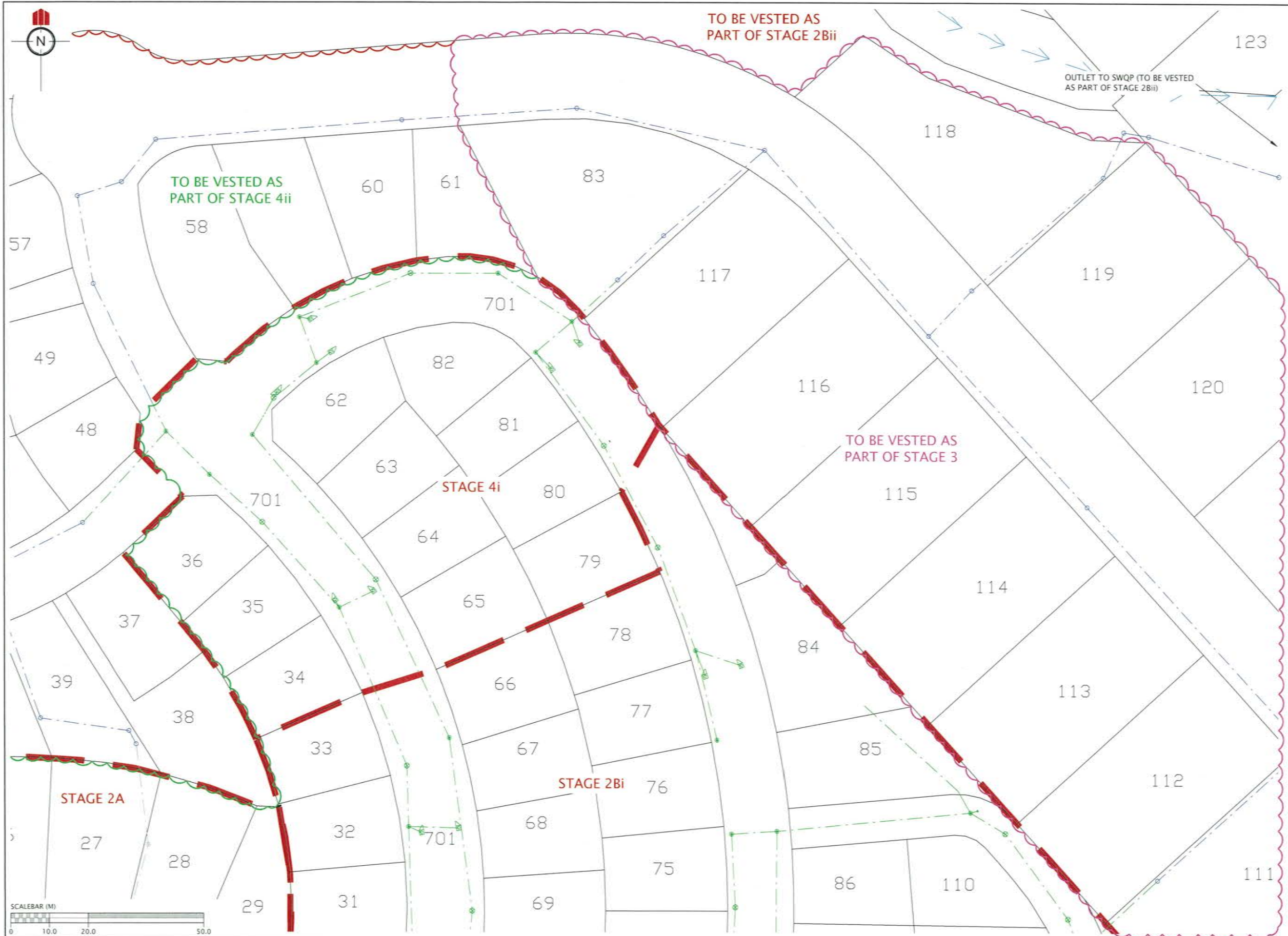
SLUIICE VALVE		
ID	SCHEDULE OF COORDINATES	
SV12	5944354.46 mN	1754942.02 mE
SV13	5944387.32 mN	1754953.96 mE
SV18	5944375.90 mN	1754964.43 mE

FIRE HYDRANT		
ID	SCHEDULE OF COORDINATES	
FH12	5944357.11 mN	1755055.63 mE

BLANK CAP		
ID	SCHEDULE OF COORDINATES	
BC5	5944235.54 mN	1755002.51 mE
BC6	5944234.60 mN	1755017.30 mE



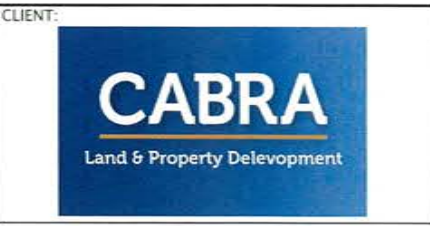
STAGE 2Bi



- NOTES**
1. ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE JANUARY 2009 AND (WSL) CODE OF PRACTICE FOR WW.
 2. ALL SW PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6. SS PIPE BEDDING COMPLIES WITH WSL CODE OF PRACTICE.
 3. ALL BERM SUMP & CESSPIT LEADS ARE REINFORCED CONCRETE PIPES CLASS 4 (Z) RRJ. ALL OTHER SW PIPELINES ARE REINFORCED CONCRETE CLASS 2 (X) RRJ UNLESS OTHERWISE NOTED IN THE DRAWINGS.
 4. ALL PIPE CROSSINGS UNDER ROADS ARE HARDFILL BACKFILLED.
 5. ALL NEW DRAINAGE LINES ARE PUBLIC UNLESS NOTED AND ARE TO BE VESTED IN AUCKLAND COUNCIL AS PUBLIC DRAINAGE. ALL NEW DRAINAGE LINES MARKED 'PVT' ARE TO REMAIN PRIVATE.
 6. STORMWATER DRAINAGE TO STORMWATER QUALITY POND IS COMPLETE EXCEPT FOR SETTING LIDS WHICH WILL BE COMPLETED AS PART OF ROADING WORKS. LINES DOWNSTREAM OF STAGES 2Bi & 4i WILL BE VESTED AS PART OF FUTURE STAGE.

- LEGEND**
- EXISTING STORMWATER
 - AS-BUILT STORMWATER
 - AS-BUILT STORMWATER TO BE VESTED IN FUTURE STAGE

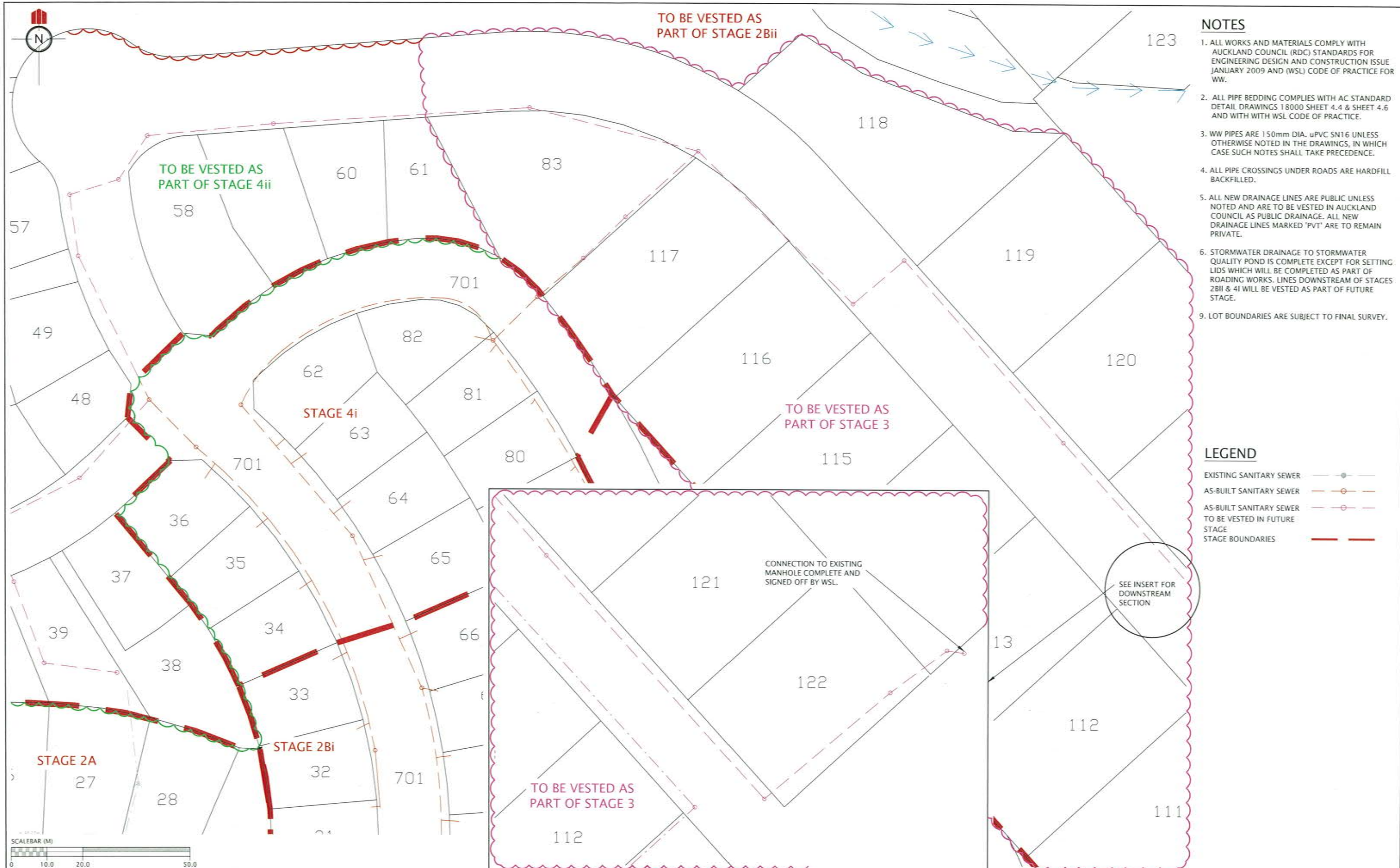
REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/02/16	



KAREPIRO DEVELOPMENT - STAGES 2Bi & 4i
 STORMWATER AS-BUILT PLAN
 DOWN STREAM LINES TO BE VESTED AS PART OF FUTURE STAGES
 AUCKLAND COUNCIL



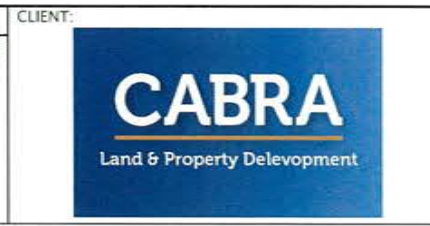
DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: BP
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/02/16	
DWG. NO. 60356-2Bi-4i-AB-380	REV. 1



- NOTES**
1. ALL WORKS AND MATERIALS COMPLY WITH AUCKLAND COUNCIL (RDC) STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE JANUARY 2009 AND (WSL) CODE OF PRACTICE FOR WW.
 2. ALL PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6 AND WITH WSL CODE OF PRACTICE.
 3. WW PIPES ARE 150mm DIA. uPVC SN16 UNLESS OTHERWISE NOTED IN THE DRAWINGS, IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
 4. ALL PIPE CROSSINGS UNDER ROADS ARE HARDFILL BACKFILLED.
 5. ALL NEW DRAINAGE LINES ARE PUBLIC UNLESS NOTED AND ARE TO BE VESTED IN AUCKLAND COUNCIL AS PUBLIC DRAINAGE. ALL NEW DRAINAGE LINES MARKED "PVT" ARE TO REMAIN PRIVATE.
 6. STORMWATER DRAINAGE TO STORMWATER QUALITY POND IS COMPLETE EXCEPT FOR SETTING LIDS WHICH WILL BE COMPLETED AS PART OF ROADING WORKS. LINES DOWNSTREAM OF STAGES 2Bii & 4i WILL BE VESTED AS PART OF FUTURE STAGE.
 9. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

- LEGEND**
- EXISTING SANITARY SEWER (dashed line with circles)
 - AS-BUILT SANITARY SEWER (solid line with circles)
 - AS-BUILT SANITARY SEWER TO BE VESTED IN FUTURE STAGE (dashed line with circles)
 - STAGE BOUNDARIES (thick red line)

REVISION DETAILS	NAME	DATE	CLIENT:
1. ISSUED FOR AS-BUILT	BP	26/02/16	



KAREPIRO DEVELOPMENT - STAGES 2Bi & 4i
 WASTEWATER AS-BUILT PLAN
 DOWN STREAM LINES TO BE VESTED AS PART OF FUTURE STAGES
 AUCKLAND COUNCIL



DESIGNED: BP	ISSUED FOR AS-BUILT
CHECKED:	DRAWN: BP
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:1000 @ A3
ISSUED: 26/02/16	
DWG. NO. 60356-2Bi-4i-AB-385	REV. 1



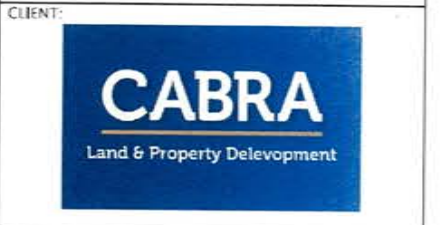
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, D. J. [Signature] LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: [Signature]
 LICENSED CADASTRAL SURVEYOR
 DATE: 26/2/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER

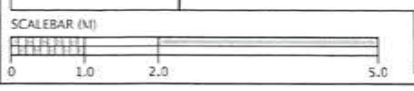


**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 34**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <u>[Signature]</u>	DRAWN: SL
APPROVED: <u>[Signature]</u>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7000	REV. 1





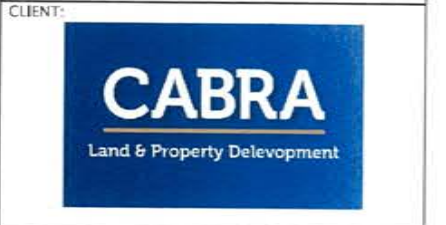
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
William King LICENSED CADASTRAL SURVEYOR.
 HEREBY CERTIFY THE ACCURACY OF THIS AS-BUILT INFORMATION.
 SIGNED: *BP*
 LICENSED CADASTRAL SURVEYOR.
 DATE: *21/3/2016*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER



**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 35**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>BP</i>	DRAWN: SL
APPROVED: <i>BP</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7001	REV. 1



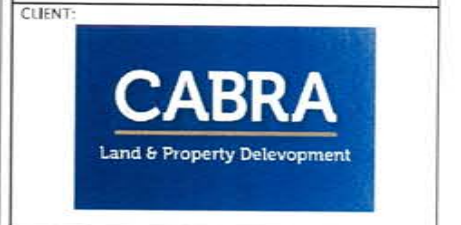
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *[Signature]*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: *21/2/2016*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER

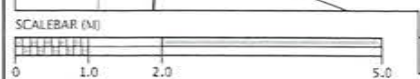


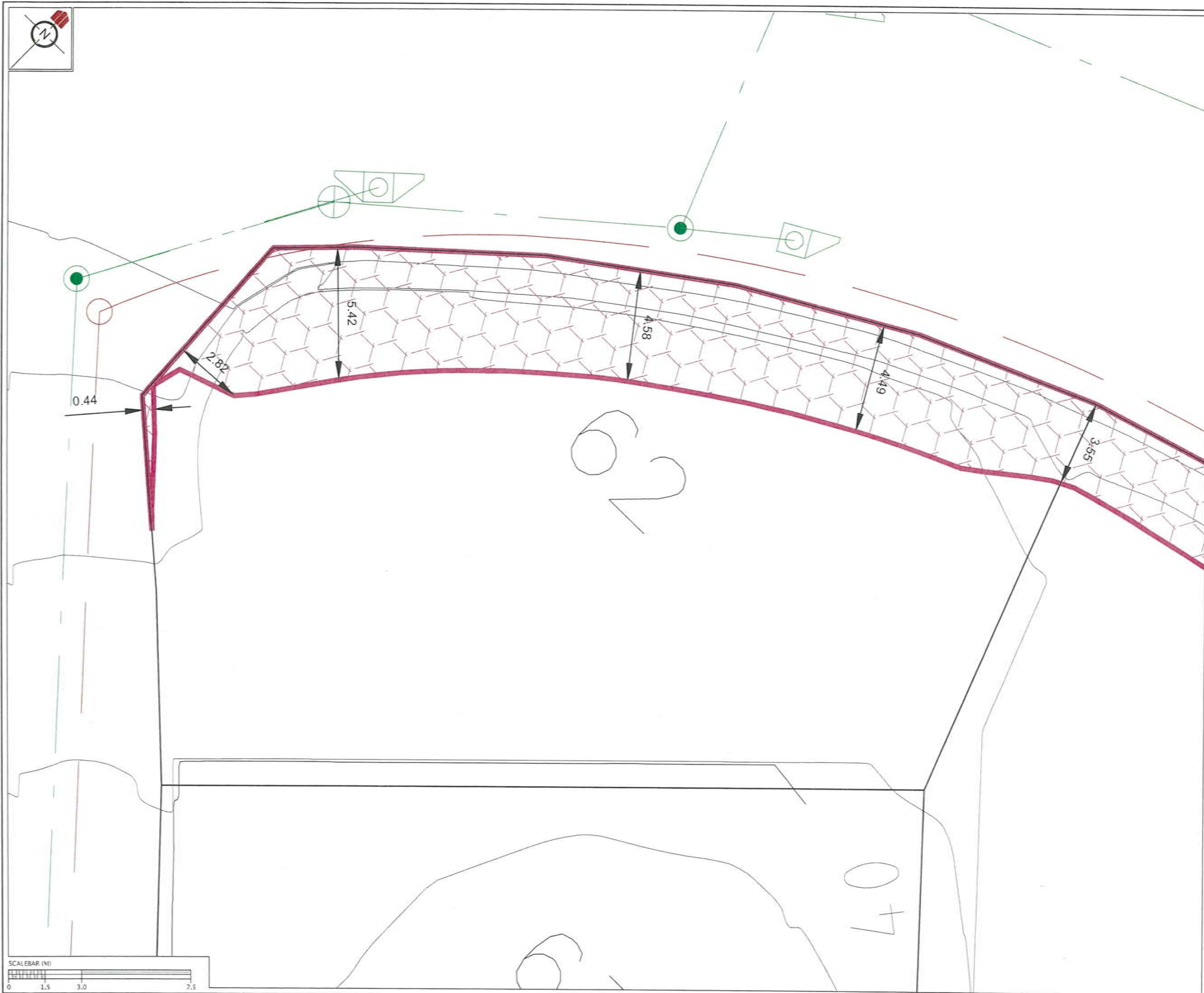
**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 36**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>[Signature]</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7002	REV. 1





REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *William King*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *W King*
 LICENSED CADASTRAL SURVEYOR
 DATE: 26/2/16

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER

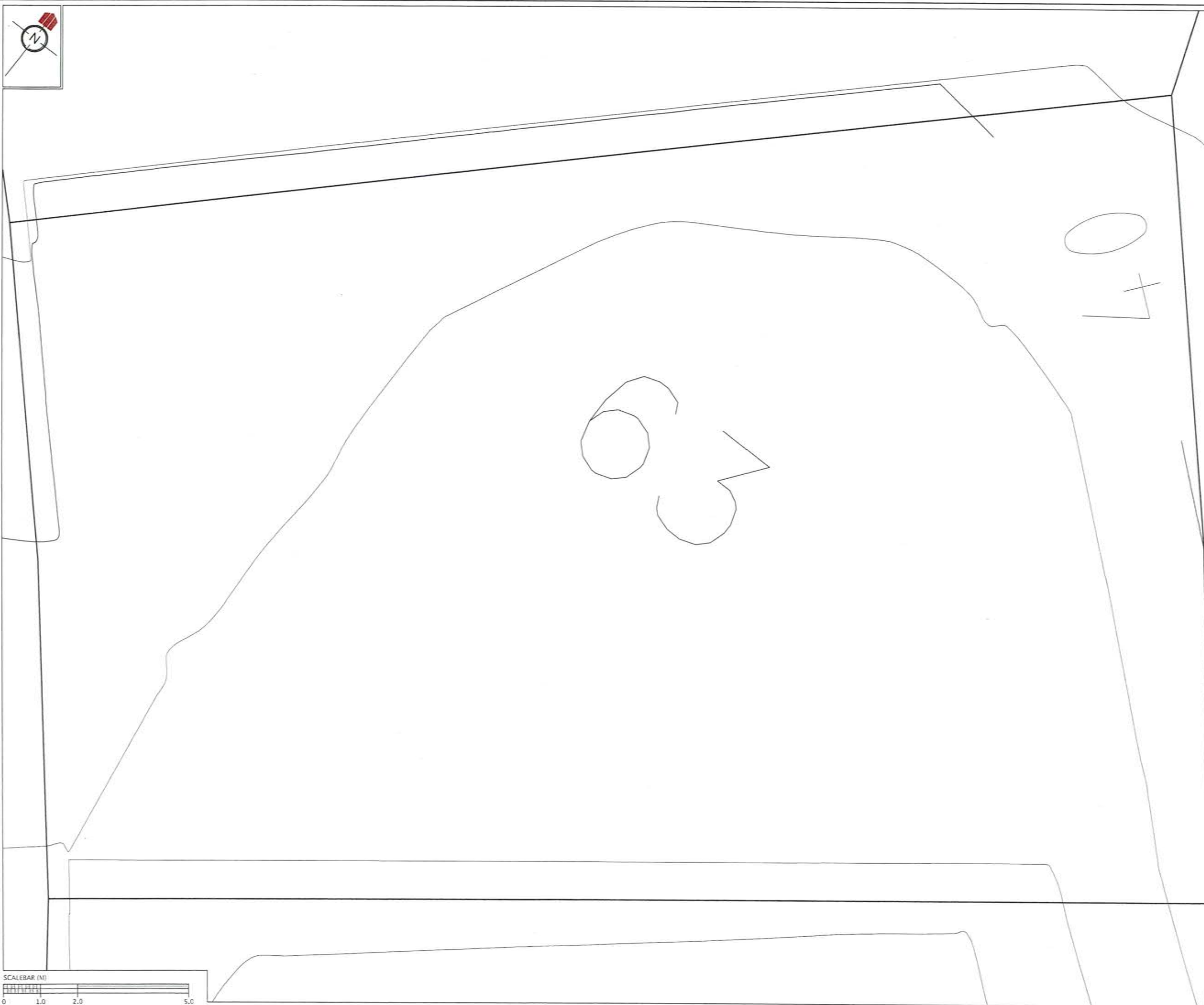


**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 62**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>BP</i>	DRAWN: SL
APPROVED: <i>W King</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:150 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7003	REV. 1



REVISION DETAILS	NAME	DATE
1. ISSUED FOR CCR	BP	26/2/16

CERTIFICATION
 I, W. H. Woods LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: [Signature]
 LICENSED CADASTRAL SURVEYOR
 DATE: 2/3/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1945
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016.
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

- LEGEND**
- |—|—| CONTOURS (1.0m INTERVAL)
 - [Red dashed line with circles] SERVICE LINE RESTRICTIONS
 - AS-BUILT SANITARY SEWER
 - AS-BUILT STORM WATER

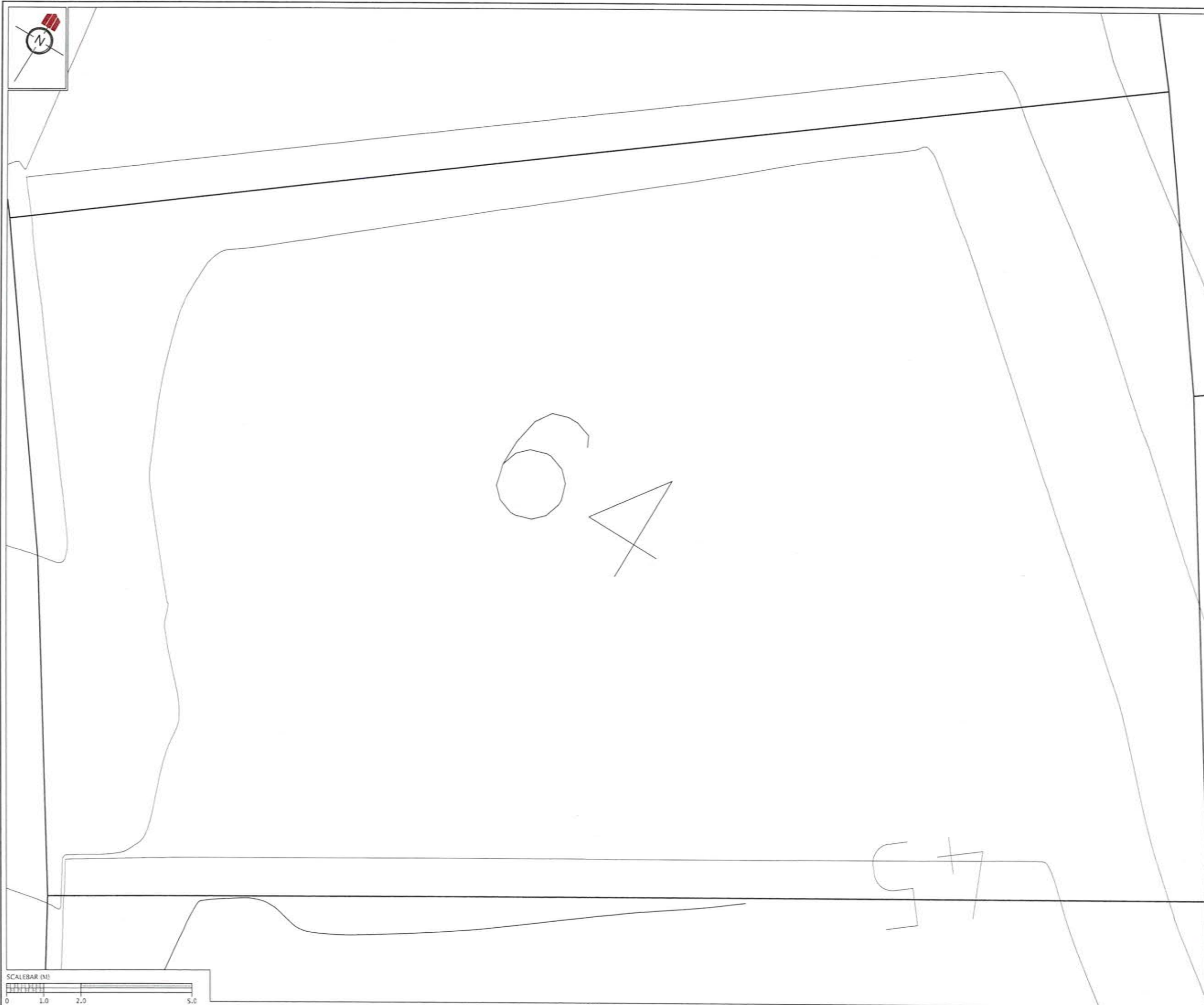


**KAREPIRO DEVELOPMENT
 STAGE 4i**

**CCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 63**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR CCR
CHECKED: <u>[Signature]</u>	DRAWN: SL
APPROVED: <u>[Signature]</u>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7004	REV. 1



REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *William King*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: *21/3/2016*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1945
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER

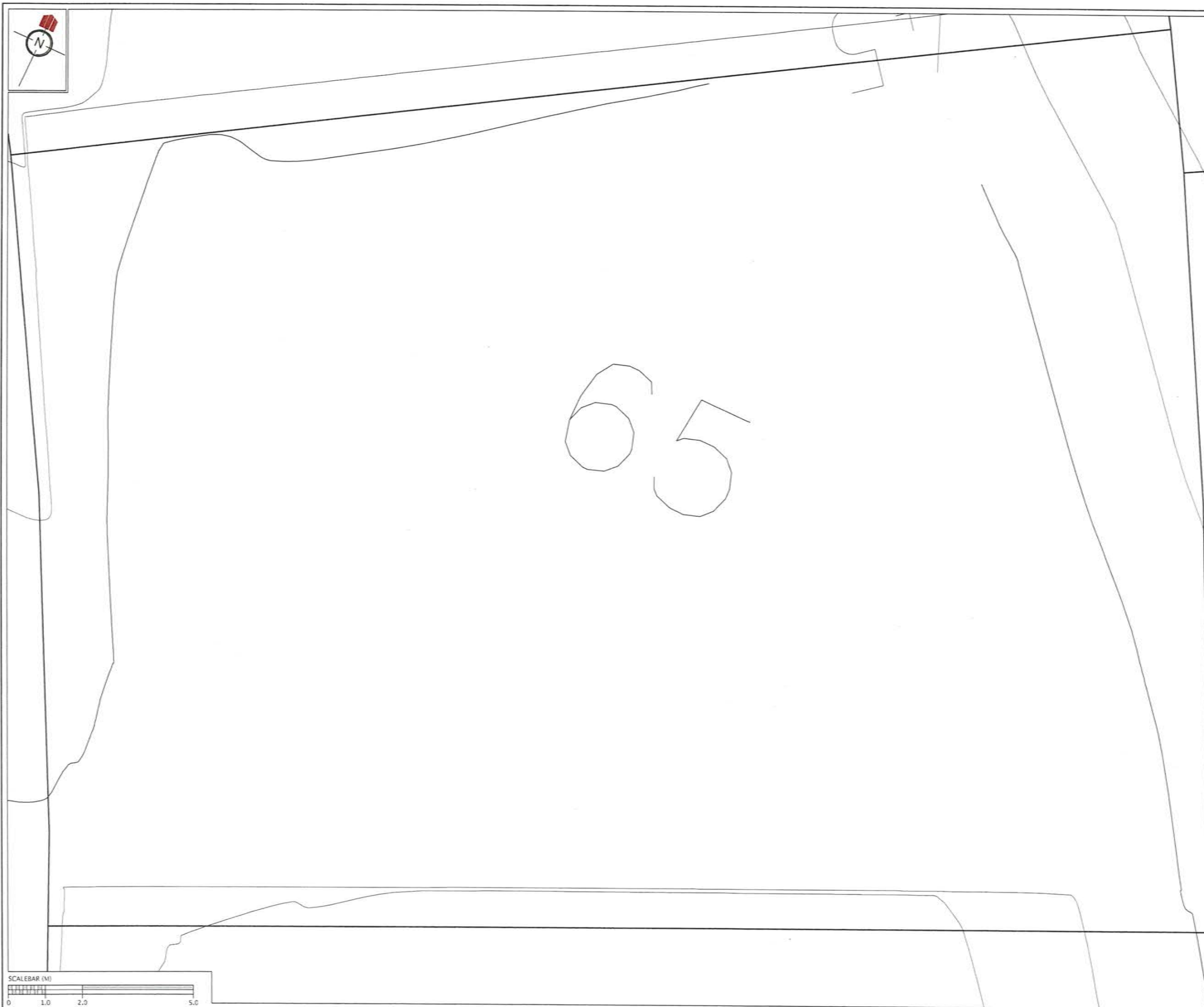


**KAREPIRO
 DEVELOPMENT
 STAGE 4i**

**GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 64**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>[Signature]</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7005	REV. 1



REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
William King LICENSED CADASTRAL SURVEYOR.
 HEREBY CERTIFY THE ACCURACY OF THIS AS-BUILT INFORMATION.
 SIGNED: *BP*
 LICENSED CADASTRAL SURVEYOR
 DATE: *21/2/2016*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016.
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER



**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 65**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>BP</i>	DRAWN: SL
APPROVED: <i>BP</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7006	REV. 1



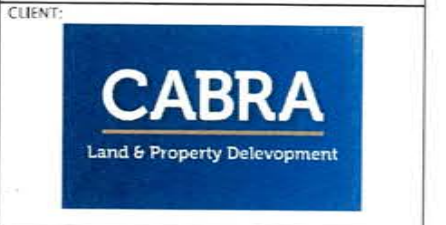
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
(Signature) LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *(Signature)*
 LICENSED CADASTRAL SURVEYOR
 DATE: 2/2/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER

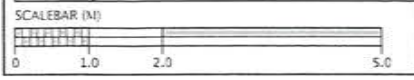


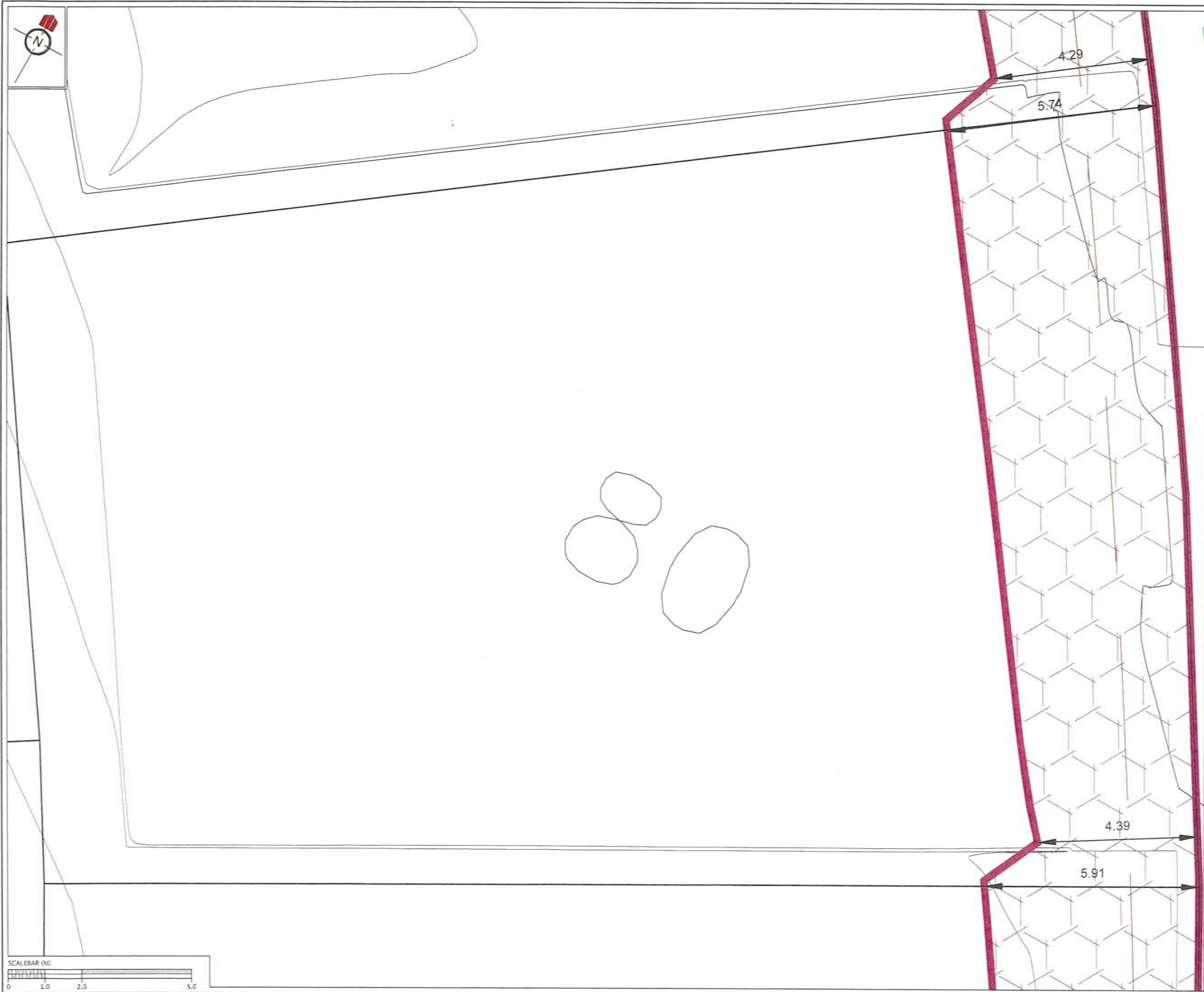
**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 79**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>(Signature)</i>	DRAWN: SL
APPROVED: <i>(Signature)</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWC. NO. 60356-4i-GCR-7007	REV. 1





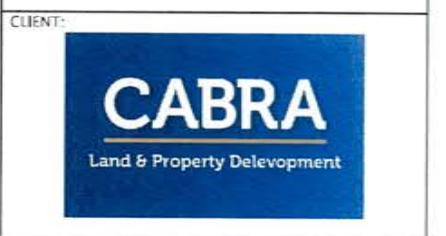
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *W. J. J. J.* LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: *2/3/2016*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER



**KAREPIRO DEVELOPMENT
 STAGE 4i**

GCR PLANS - DRAINAGE RESTRICTION PLAN
 LOT 80

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>[Signature]</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7008	REV. 1



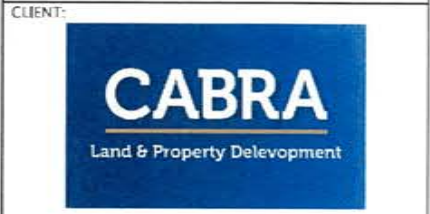
REVISION DETAILS	NAME	DATE
1. ISSUED FOR CCR	BP	26/2/16

CERTIFICATION
W. Williams LICENSED CADASTRAL SURVEYOR.
 HEREBY CERTIFY THE ACCURACY OF THIS AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: 21/2/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016.
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

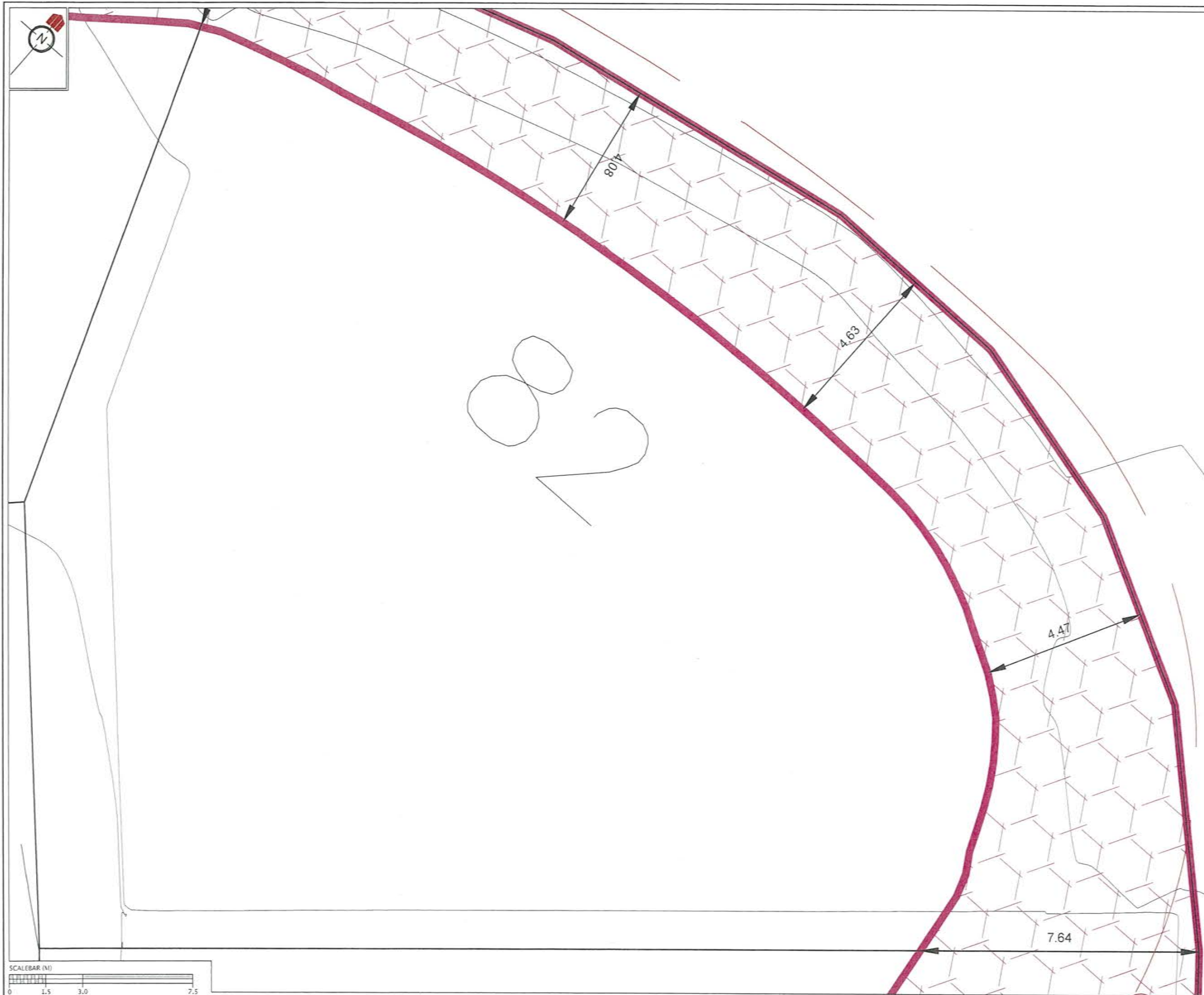
	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER



**KAREPIRO DEVELOPMENT
 STAGE 4i**

GCR PLANS - DRAINAGE RESTRICTION PLAN
 LOT 81
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR CCR
CHECKED: BP	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7009	REV. 1



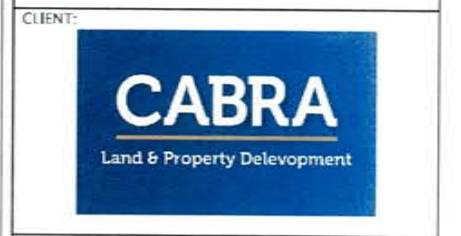
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *W. Woods*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: *21/2/2016*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 - SANITARY SEWER DRAINAGE RESTRICTIONS BASED ON WATERCARE SERVICES LTD WATER AND WASTEWATER CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION VERSION 1.5 (MAY 2015)
 - STORMWATER DRAINAGE RESTRICTIONS BASED ON AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE (NOVEMBER 2015)
 - ZONE OF INFLUENCE BASED OFF AS-BUILT SURFACE UNDERTAKEN BY WOODS IN FEBRUARY 2016
 - LOCATION AND LEVELS OF ALL PIPES AND RESTRICTION ZONES TO BE CONFIRMED PRIOR TO FOUNDATION DESIGN.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SERVICE LINE RESTRICTIONS
	AS-BUILT SANITARY SEWER
	AS-BUILT STORM WATER

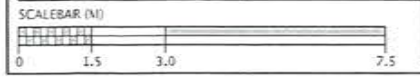


**KAREPIRO DEVELOPMENT
 STAGE 4i**

GCR PLANS - DRAINAGE
 RESTRICTION PLAN
 LOT 82

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>[Signature]</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-7010	REV. 1





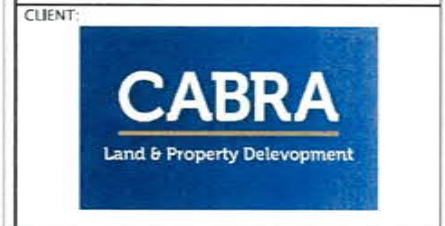
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *William Chen*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *William Chen*
 LICENSED CADASTRAL SURVEYOR
 DATE: 21/2/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1948
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

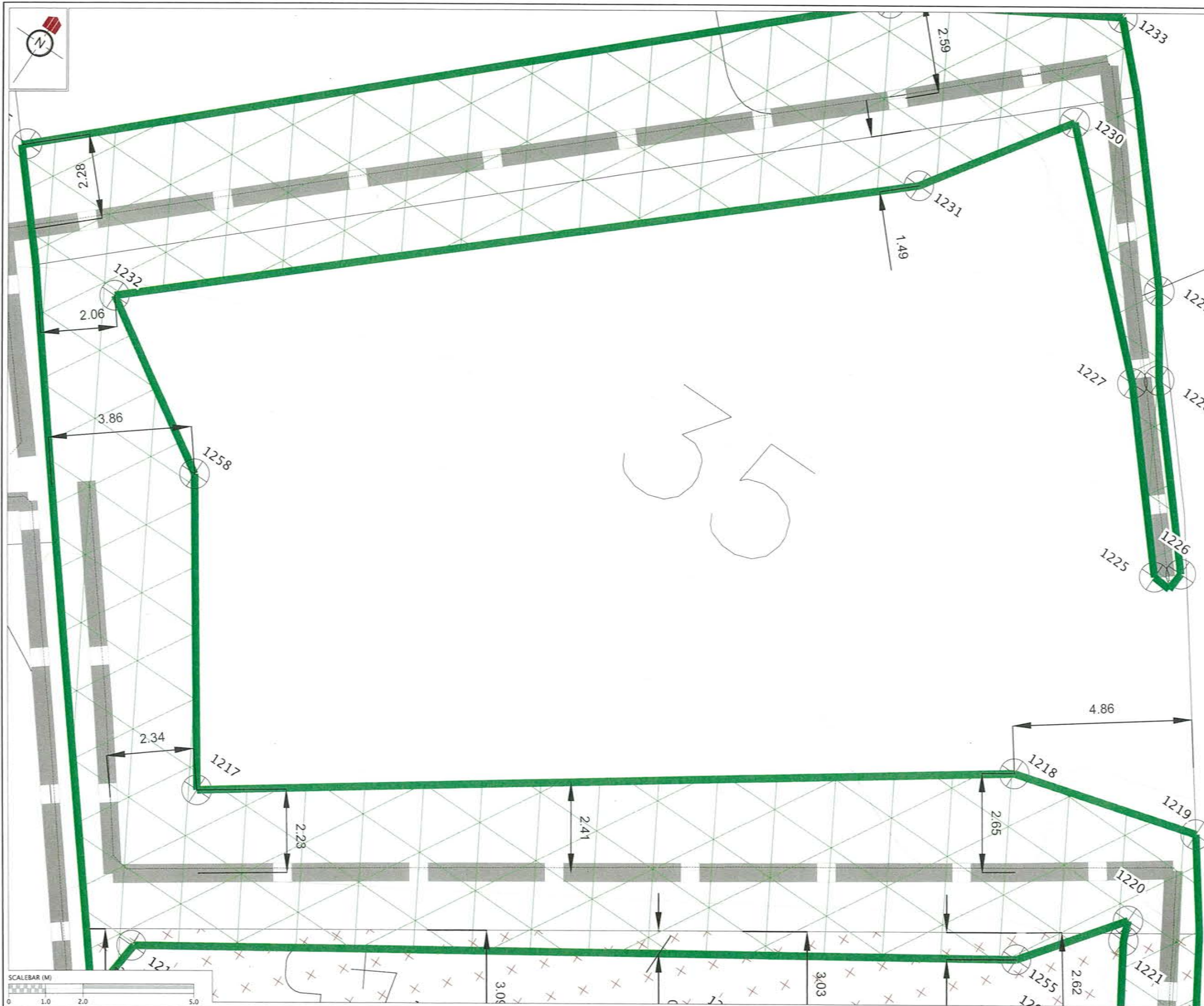
	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 34**
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>BP</i>	DRAWN: SL
APPROVED: <i>BP</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8000	REV. 1



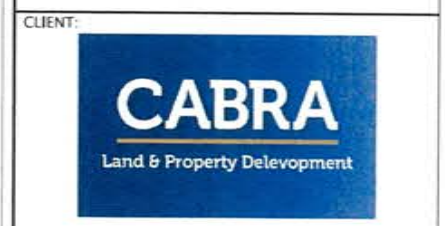
REVISION DETAILS		NAME	DATE
1.	ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *W. J. [Signature]* LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: 2/3/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

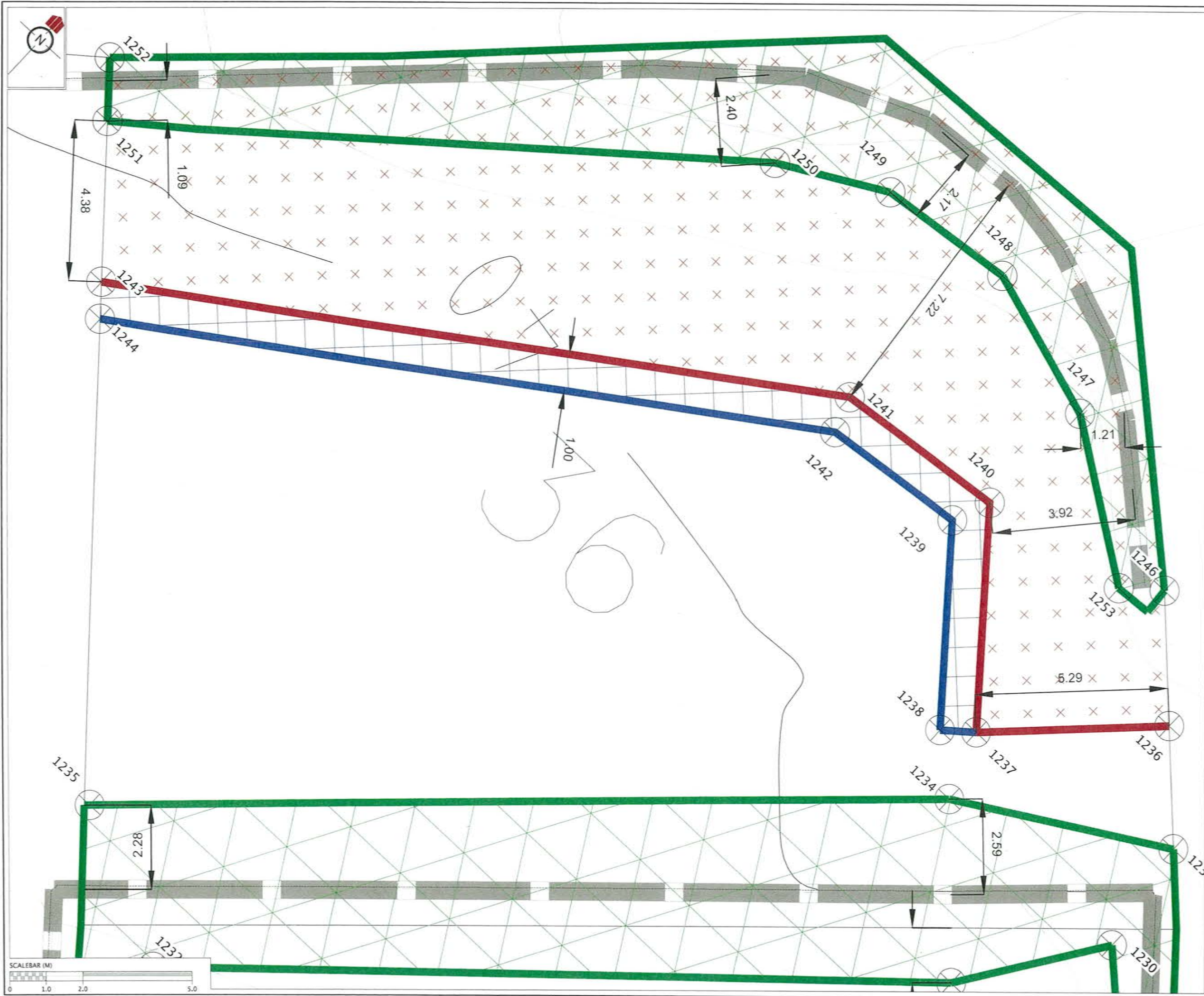
	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 35**
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>BP</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8001	REV. 1



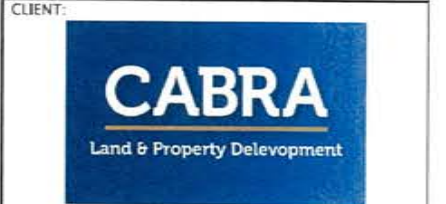
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *Walter Chen*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: *23/2/16*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1948
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO DEVELOPMENT
 STAGE 4i**

GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 36
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>[Signature]</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8002	REV. 1



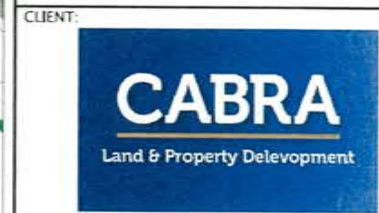
REVISION DETAILS		NAME	DATE
1.	ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
I, W. Wilton, LICENSED CADASTRAL SURVEYOR,
HEREBY CERTIFY THE ACCURACY OF THIS
AS-BUILT INFORMATION.
SIGNED: [Signature]
LICENSED CADASTRAL SURVEYOR
DATE: 2/3/2016

- NOTES**
1. HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1948
 2. COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 3. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



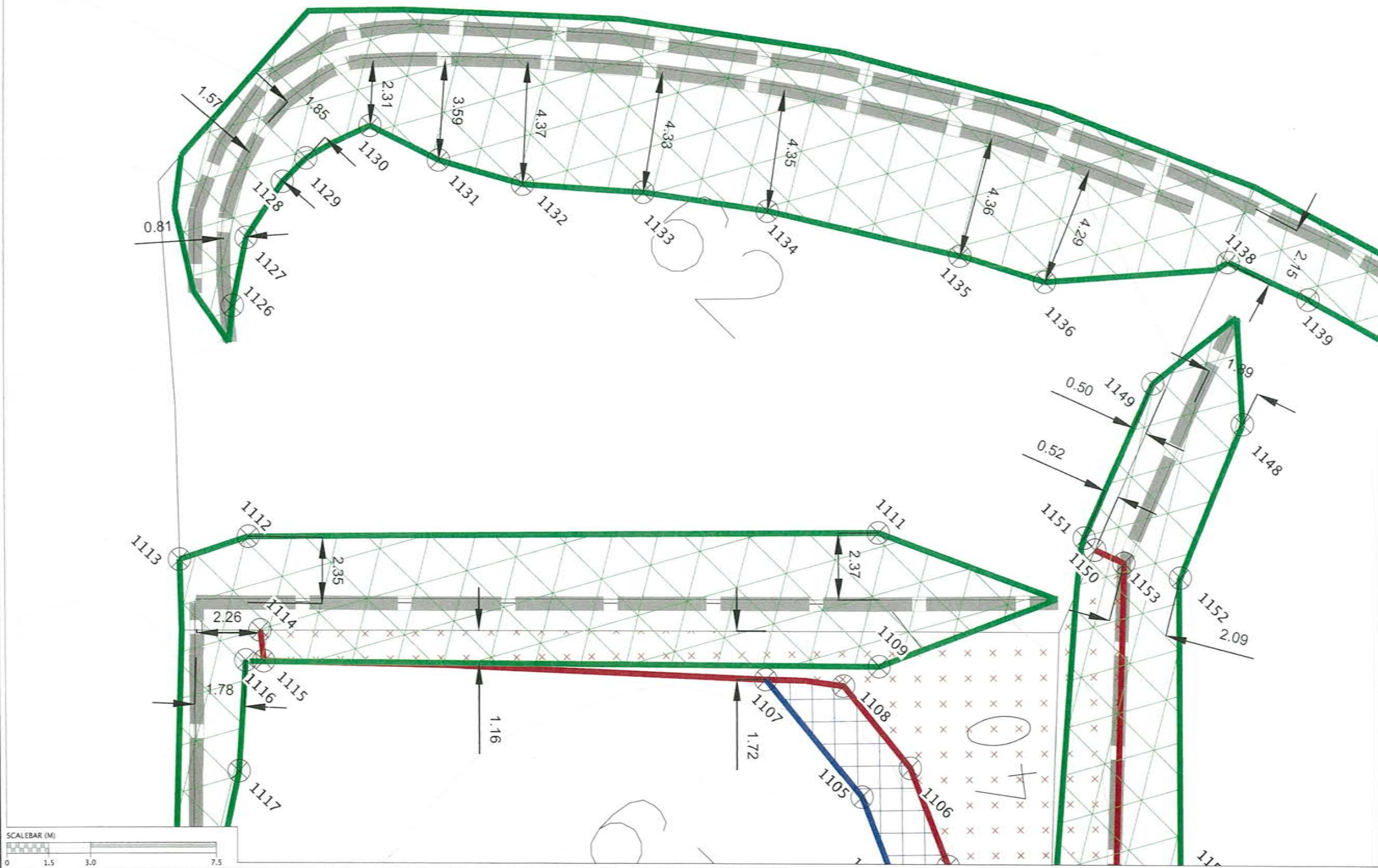
KAREPIRO DEVELOPMENT STAGE 4i

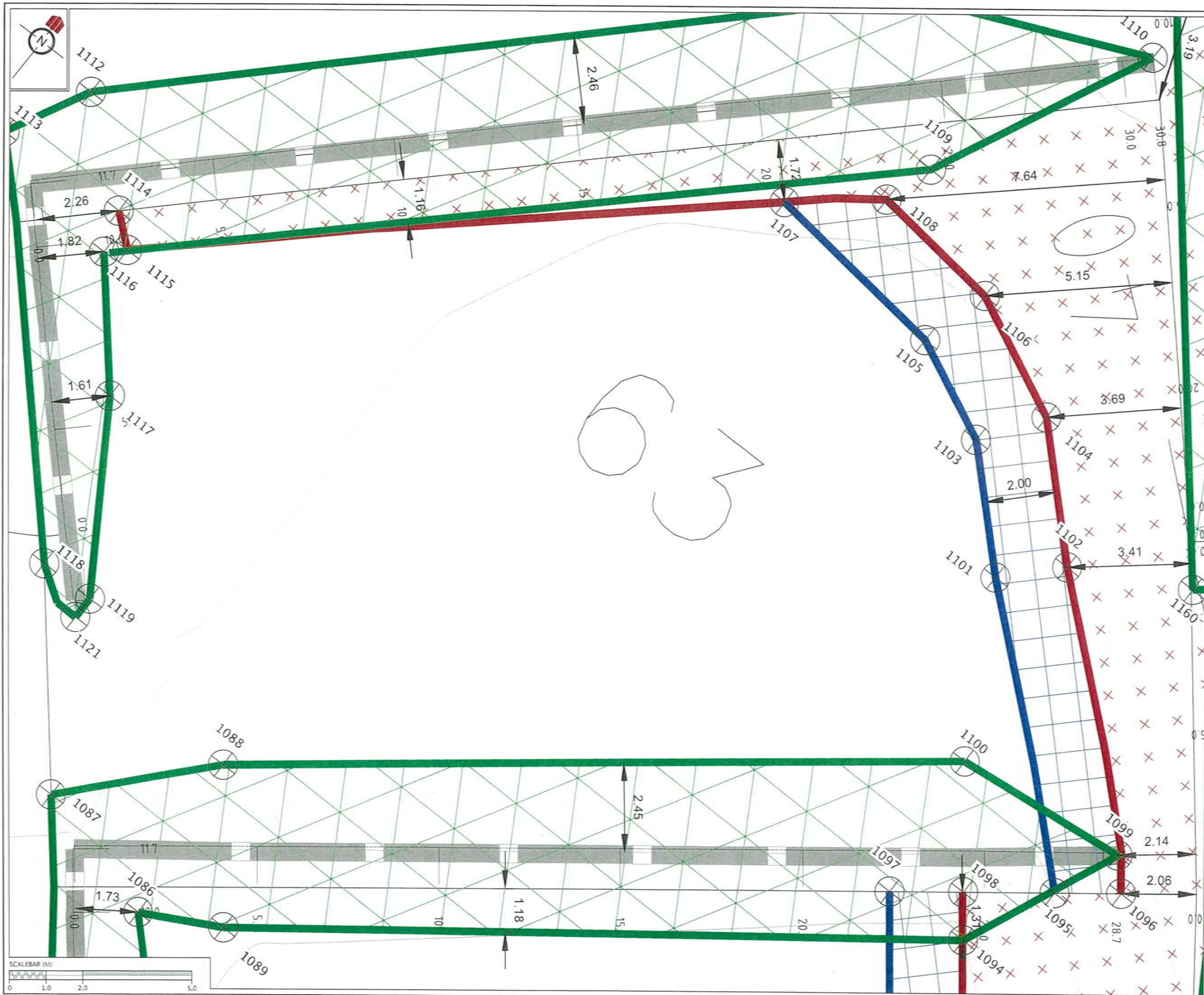
GCR PLANS - BUILDING RESTRICTION PLAN LOT 62

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: [Signature]	DRAWN: SL
APPROVED: [Signature]	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:150 @ A3
ISSUED: 26/2/16	

DWG. NO. 60356-4i-GCR-8003	REV. 1
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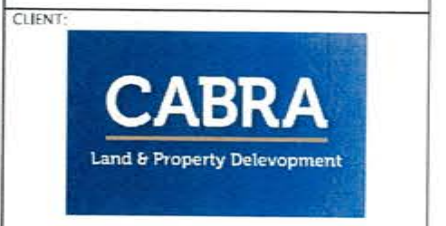
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *W. H. H. H.* LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: 21/2/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

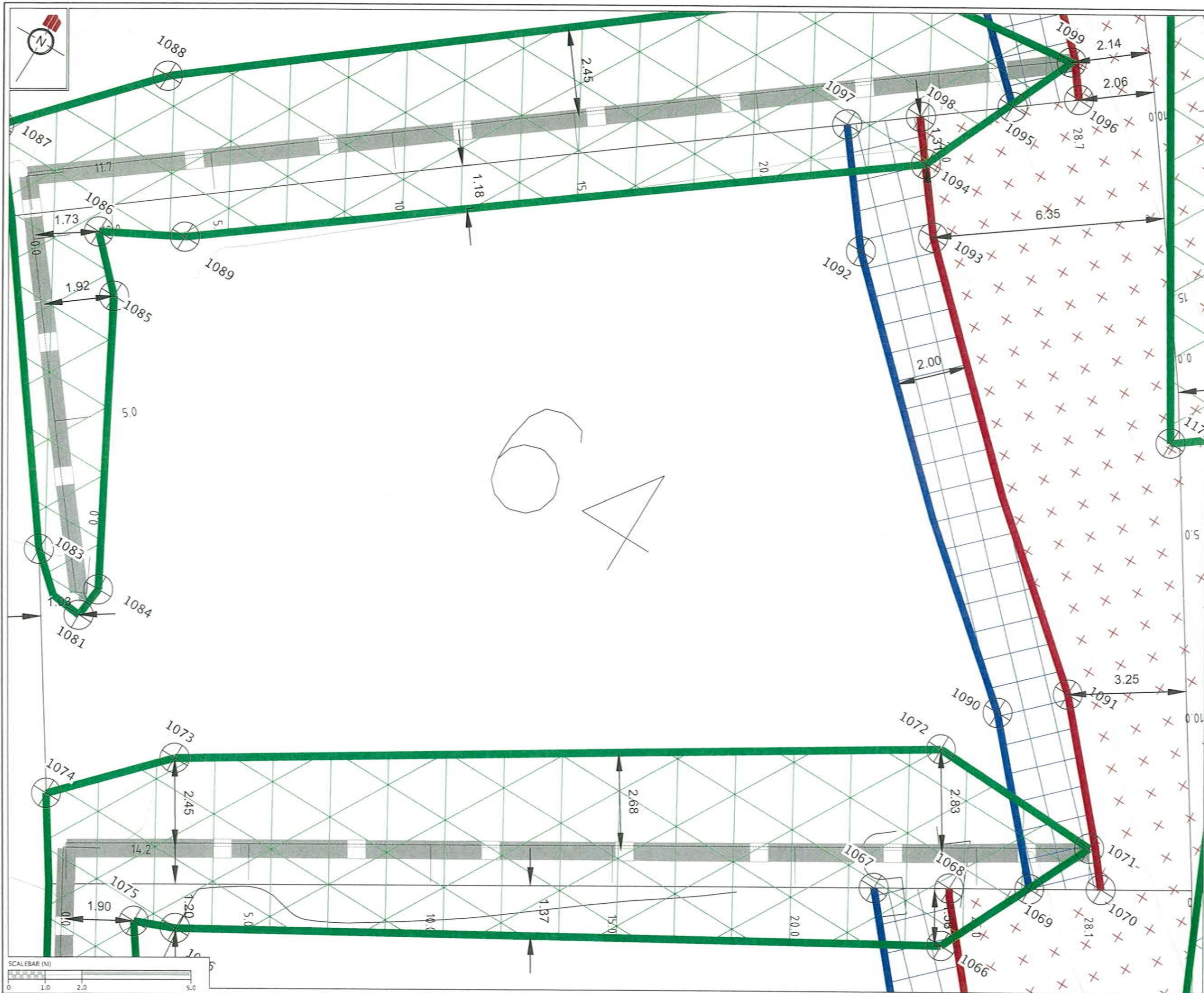
	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE FILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO DEVELOPMENT
 STAGE 4i**

GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 63
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: BP	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8004	REV. 1



REVISION DETAILS		NAME	DATE
1. ISSUED FOR GCR		BP	26/2/16

CERTIFICATION	
<i>[Signature]</i> LICENSED CADASTRAL SURVEYOR. HEREBY CERTIFY THE ACCURACY OF THIS AS-BUILT INFORMATION.	
SIGNED	<i>[Signature]</i> LICENSED CADASTRAL SURVEYOR
DATE	2/3/2016

NOTES	
1. HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946	
2. COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT	
3. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.	

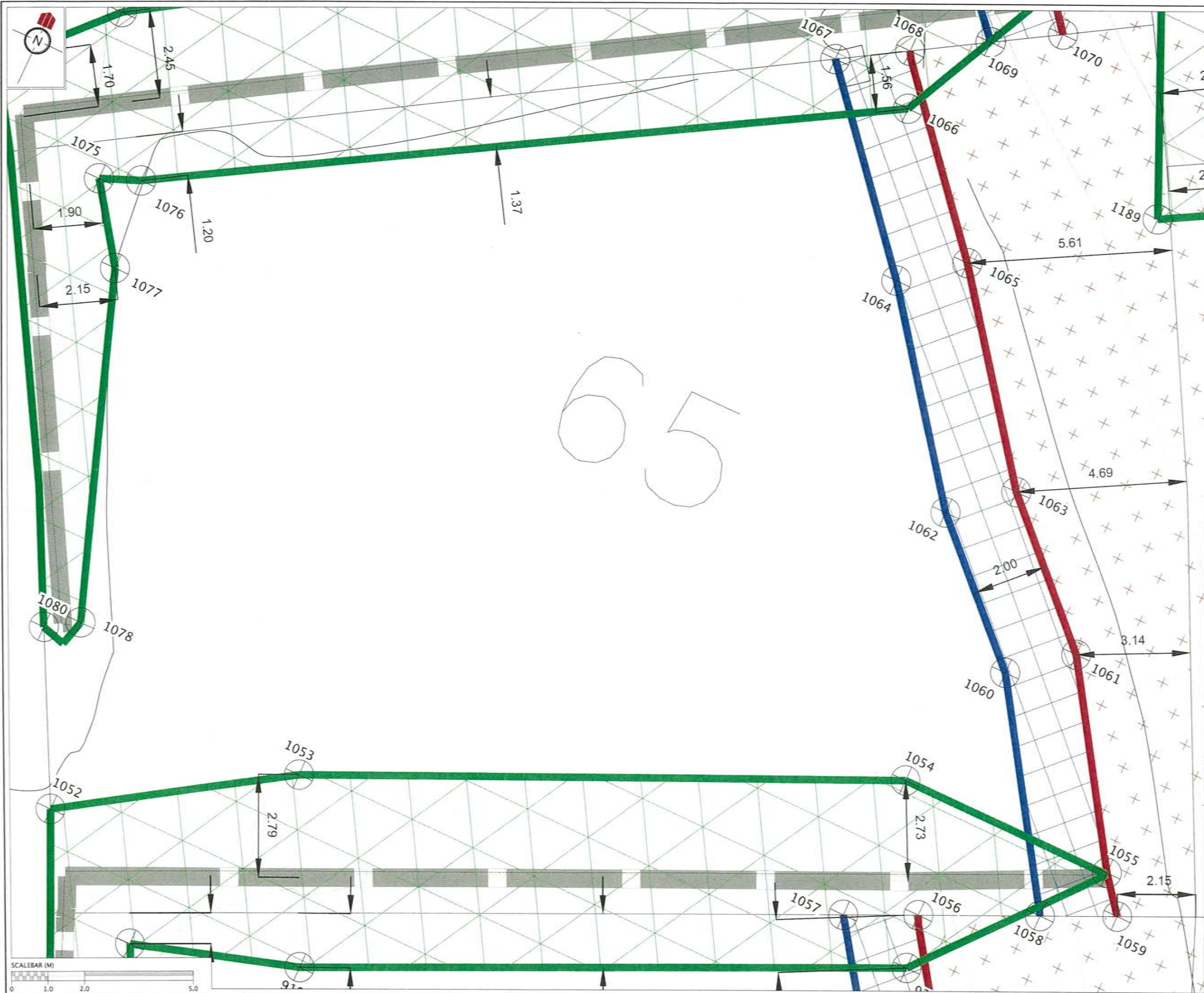
LEGEND	
	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL

CLIENT:	

WOODS	
Engineers. Surveyors. Planners.	

KAREPIRO DEVELOPMENT STAGE 4i	
GCR PLANS - BUILDING RESTRICTION PLAN LOT 64	
AUCKLAND COUNCIL	

DESIGNED: BP	ISSUED FOR GCR
CHECKED: BP	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWC. NO. 60356-4i-GCR-8005	REV. 1



REVISION DETAILS		NAME	DATE
1.	ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *W. J. ...* LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: *21/3/2016*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

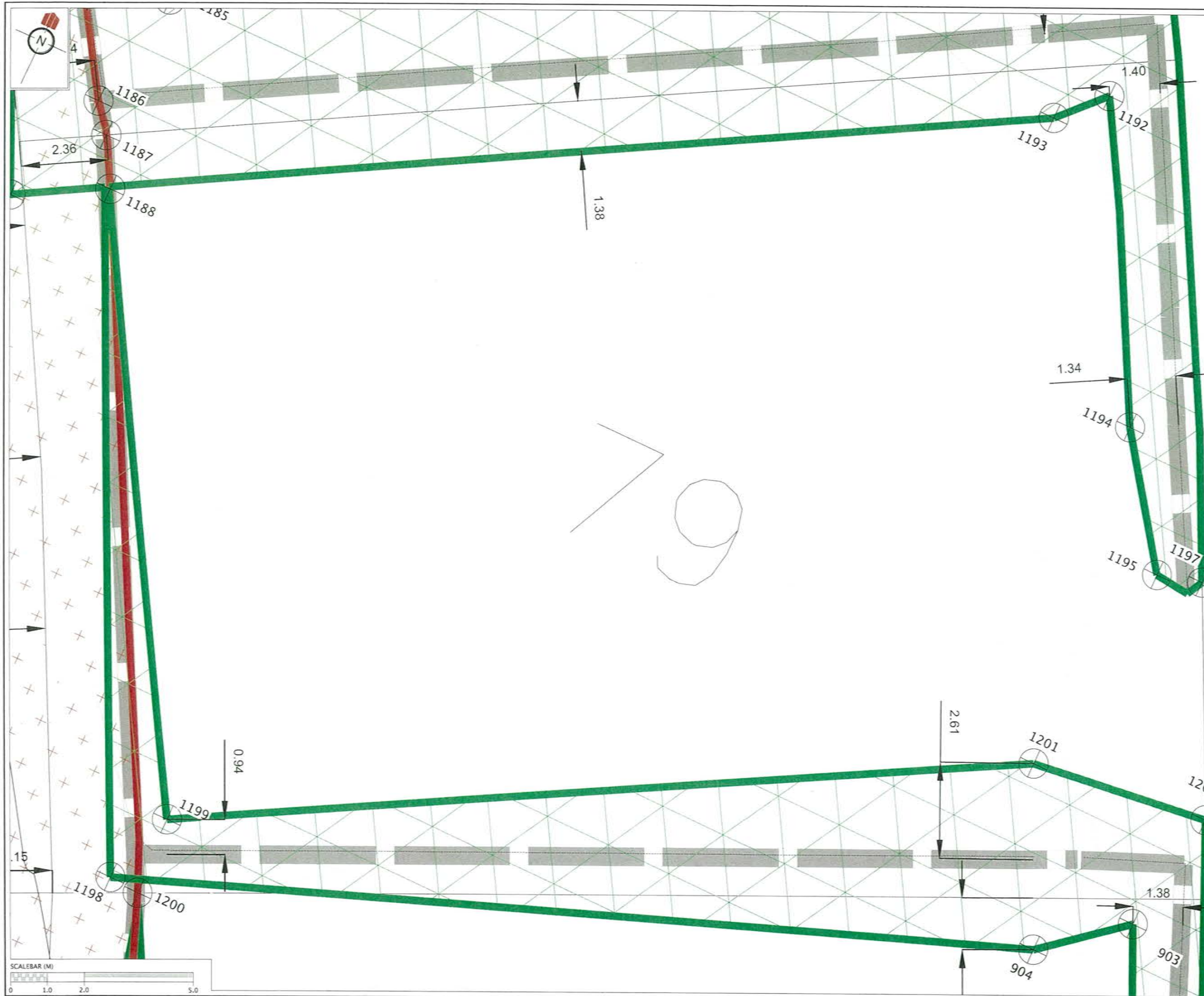
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	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO DEVELOPMENT
 STAGE 4i**

GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 65
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: BP	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8006	REV. 1



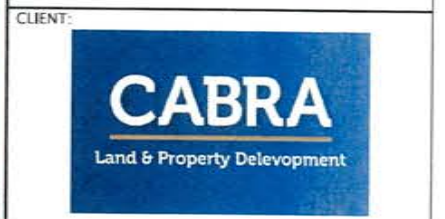
REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *[Signature]*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: 21/2/16

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

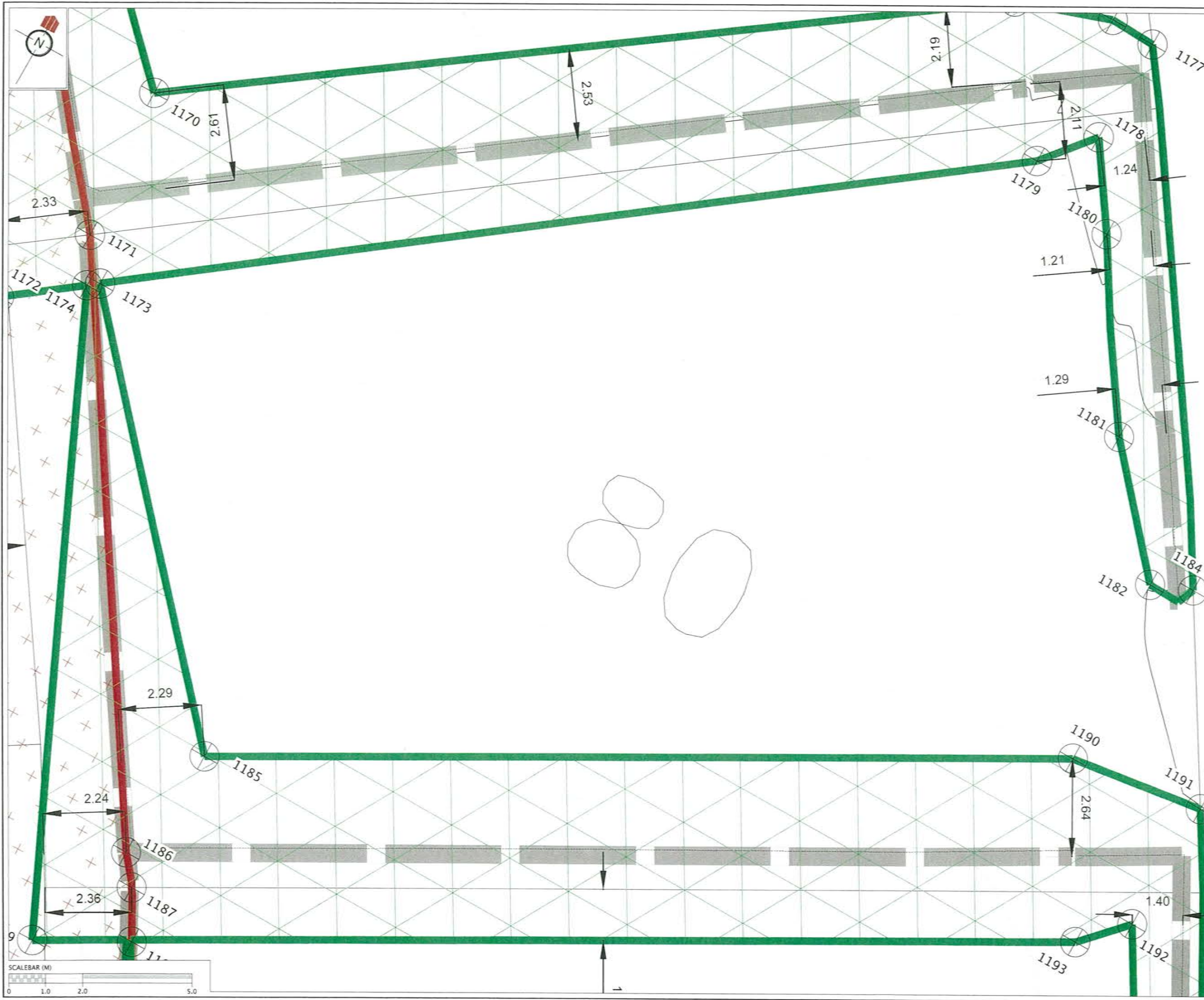
	CONTOURS (1.0m INTERVAL)
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	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO
 DEVELOPMENT
 STAGE 4i**

GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 79
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: BP	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8007	REV. 1



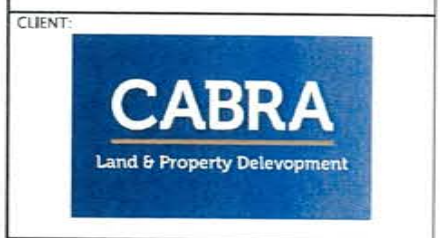
REVISION DETAILS		NAME	DATE
1.	ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *[Signature]*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: 2/3/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

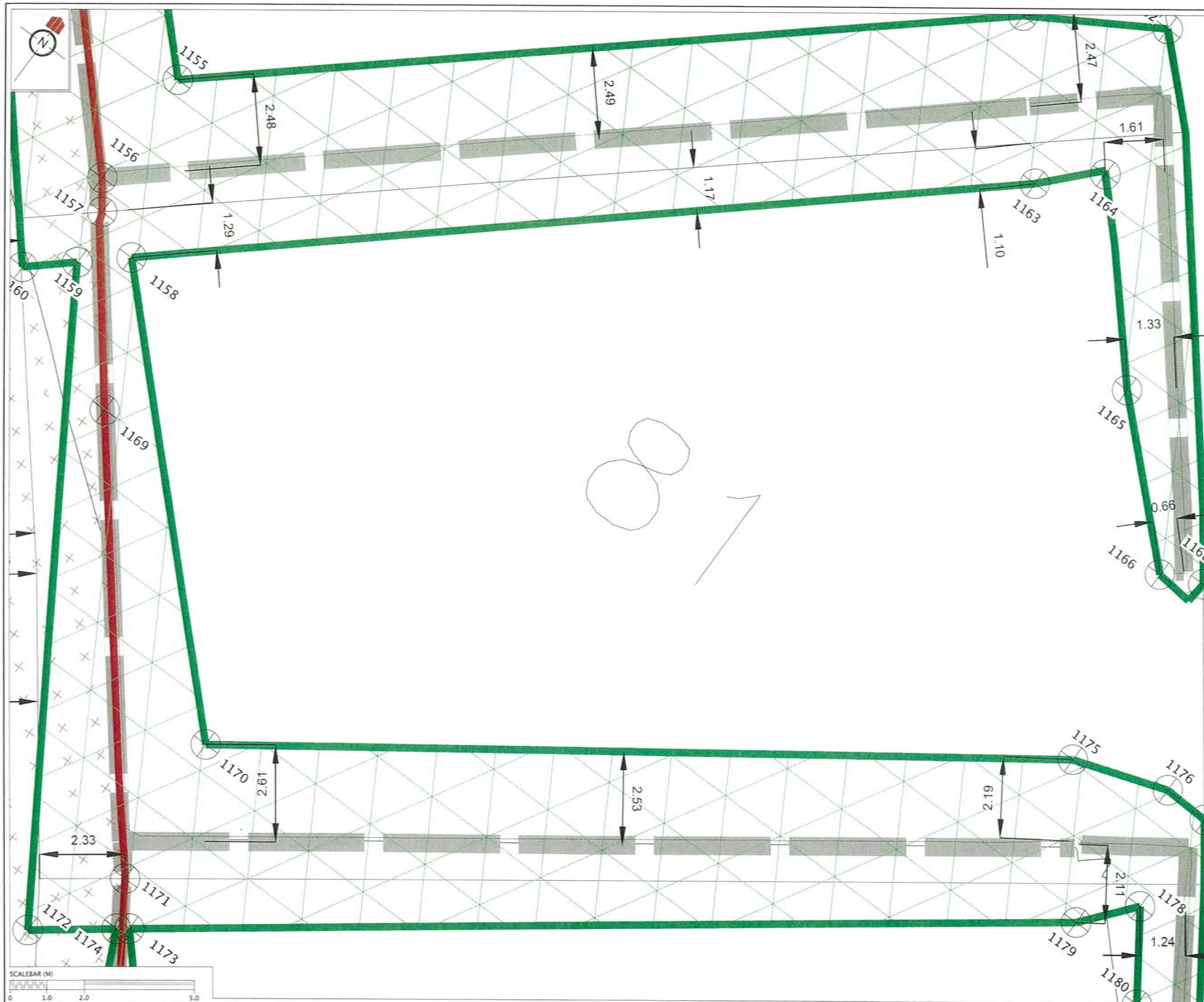
	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE FILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 80**
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>[Signature]</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8008	REV. 1



REVISION DETAILS	NAME	DATE
1. ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
W. D. Henderson LICENSED CADASTRAL SURVEYOR.
 HEREBY CERTIFY THE ACCURACY OF THIS AS-BUILT INFORMATION.
 SIGNED: *BP* LICENSED CADASTRAL SURVEYOR
 DATE: *23 Feb*

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1946
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL

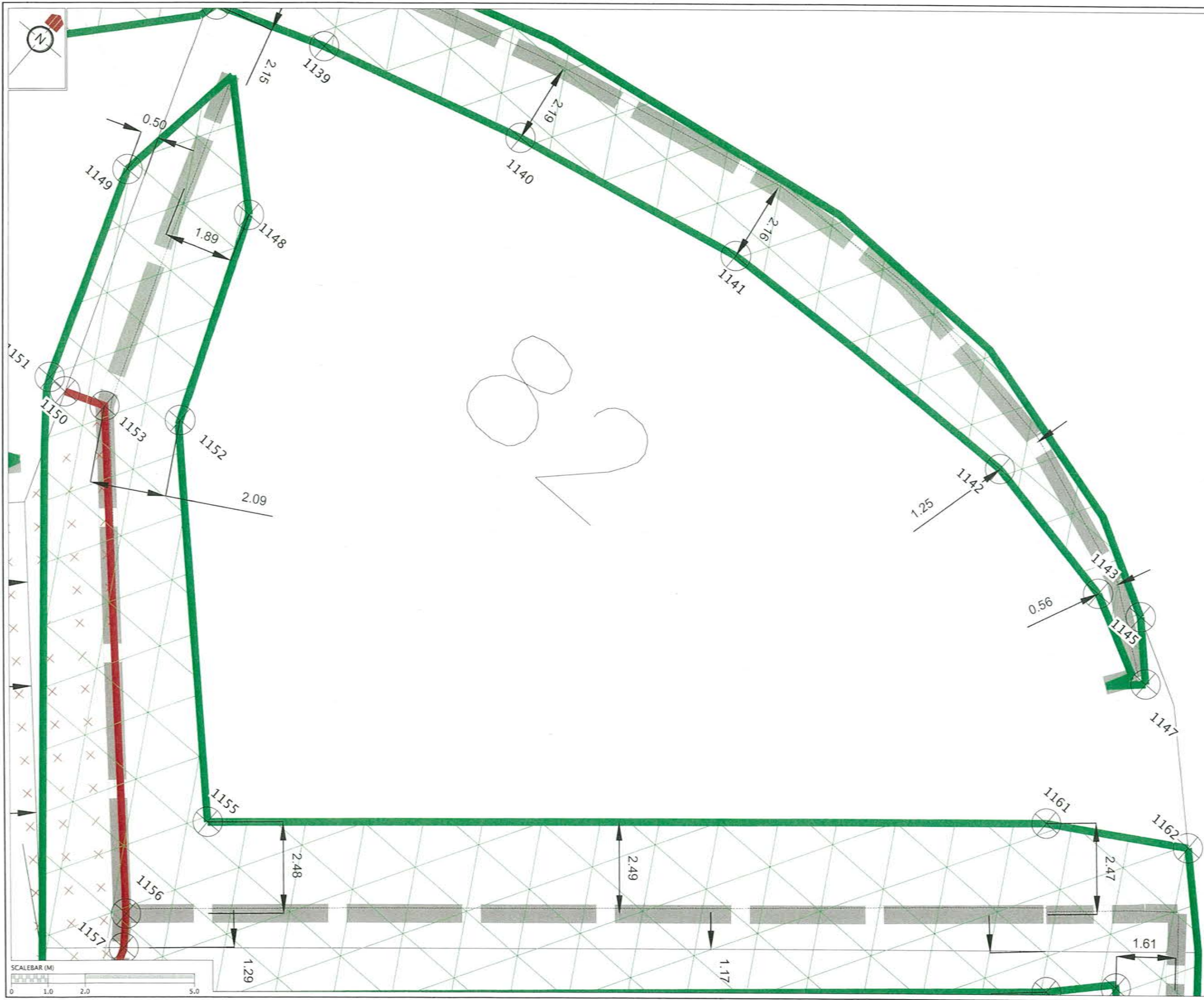
CLIENT:

**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 81**

AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>BP</i>	DRAWN: SL
APPROVED: <i>W</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8009	REV. 1



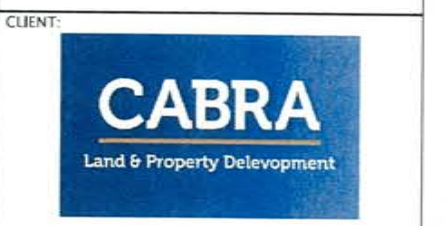
REVISION DETAILS		NAME	DATE
1.	ISSUED FOR GCR	BP	26/2/16

CERTIFICATION
 I, *[Signature]*, LICENSED CADASTRAL SURVEYOR,
 HEREBY CERTIFY THE ACCURACY OF THIS
 AS-BUILT INFORMATION.
 SIGNED: *[Signature]*
 LICENSED CADASTRAL SURVEYOR
 DATE: 21/2/2016

- NOTES**
- HEIGHTS ARE IN TERMS OF AUCKLAND DATUM 1945
 - COORDINATES ARE IN TERMS OF NZGD2000 MOUNT EDEN CIRCUIT
 - LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	CONTOURS (1.0m INTERVAL)
	SPECIFIC DESIGN ZONE (RETAINING)
	NO BUILD ZONE
	LEADING EDGE PILE ZONE
	SPECIFIC DESIGN ZONE (SLOPE)
	BUSH COVENANT (NO BUILD ZONE)
	BUILDING HEIGHT RESTRICTIONS ZONE
	RETAINING WALL



**KAREPIRO DEVELOPMENT
 STAGE 4i**

**GCR PLANS - BUILDING
 RESTRICTION PLAN
 LOT 82**
 AUCKLAND COUNCIL

DESIGNED: BP	ISSUED FOR GCR
CHECKED: <i>[Signature]</i>	DRAWN: SL
APPROVED: <i>[Signature]</i>	SURVEYED: WOODS
JOB NUMBER: 60356	SCALE: 1:100 @ A3
ISSUED: 26/2/16	
DWG. NO. 60356-4i-GCR-8010	REV. 1