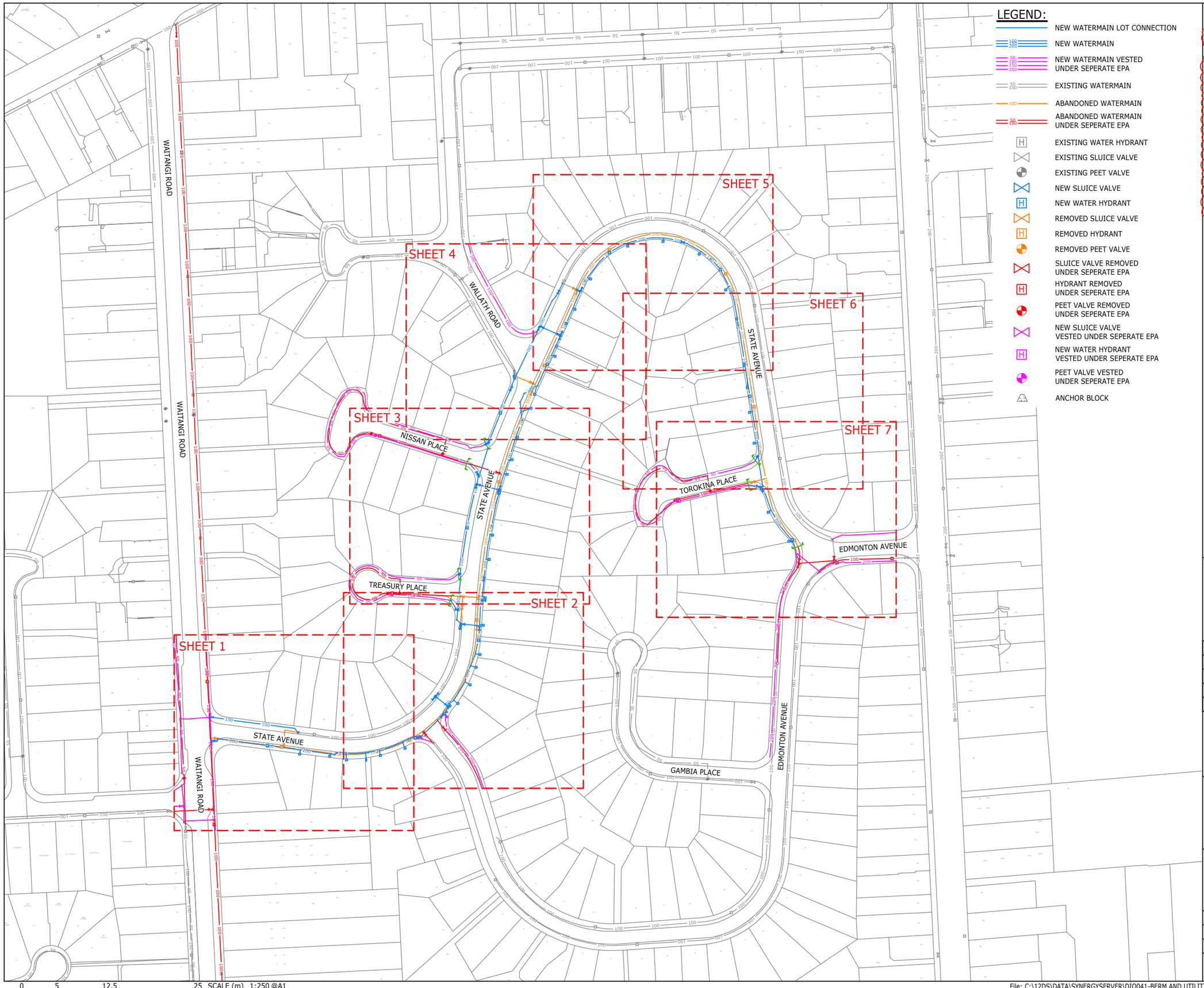

LEGEND:

- NEW WATERMAIN LOT CONNECTION
- NEW WATERMAIN
- NEW WATERMAIN VESTED UNDER SEPERATE EPA
- EXISTING WATERMAIN
- ABANDONED WATERMAIN
- ABANDONED WATERMAIN UNDER SEPERATE EPA
- EXISTING WATER HYDRANT
- EXISTING SLUICE VALVE
- EXISTING PEET VALVE
- NEW SLUICE VALVE
- NEW WATER HYDRANT
- REMOVED SLUICE VALVE
- REMOVED HYDRANT
- REMOVED PEET VALVE
- SLUICE VALVE REMOVED UNDER SEPERATE EPA
- HYDRANT REMOVED UNDER SEPERATE EPA
- PEET VALVE REMOVED UNDER SEPERATE EPA
- NEW SLUICE VALVE VESTED UNDER SEPERATE EPA
- NEW WATER HYDRANT VESTED UNDER SEPERATE EPA
- PEET VALVE VESTED UNDER SEPERATE EPA
- ANCHOR BLOCK

NOTES:

1. ALL LOT CONNECTIONS ARE 25mm ID PE PIPES

PE WATERMAINS

THE WATERMAINS BELOW ARE TO THE SPECIFICATION: MDPE PE80B SDR11 PN 12.5 COLOURED BLUE (AS/NZS 4130/4131)

- 50 — ID-50: DN63 - ACTUAL 63.3OD/51.00ID

THE WATERMAINS BELOW ARE TO THE SPECIFICATION: MDPE PE100 SDR13.6 PN 12.5 COLOURED BLUE (AS/NZS 4130/4131)

- 100 — ID-100: DN125 - ACTUAL 125OD/106.10ID
- 150 — ID-150: DN180 - ACTUAL 180OD/152.70ID
- 200 — ID-200: DN250 - ACTUAL 250OD/212.35ID

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

EACC AS BUILT PLAN CERTIFICATION

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 NZGD(2000), AND ARE WITHIN +/- 50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN THE FOLLOWING TOLERANCES:
  - FOR ALL PIPE INVERTS & ROADSIDE CHANNELS TO BE WITHIN +/- 10mm (LOCAL CIRCUIT IE. INTERNAL/RELATIVE CONSISTENCY REQUIRED ONLY).
  - FOR ALL OTHER ASSETS +/-20mm (MANHOLE COVERS, EARTHWORKS).

SIGNED .....

LICENSED CADASTRAL SURVEYOR

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

REVISION DETAILS		BY	DATE
3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

STATE AVENUE
WATERMAIN AS-BUILT
OVERALL PLAN

SURVEYED	LEAD		11.2023
DESIGNED	-		-
DRAWN	CEA		11.2023
CHECKED	CA		04.04.2024
APPROVED	RBH		04.04.2024
SCALE	1:250 @A1	1:500 @A3	REVISION
STATUS	AS BUILT ISSUE		3
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB82		

N

0 5 12.5 25 SCALE (m) 1:250 @A1 1:500 @A3

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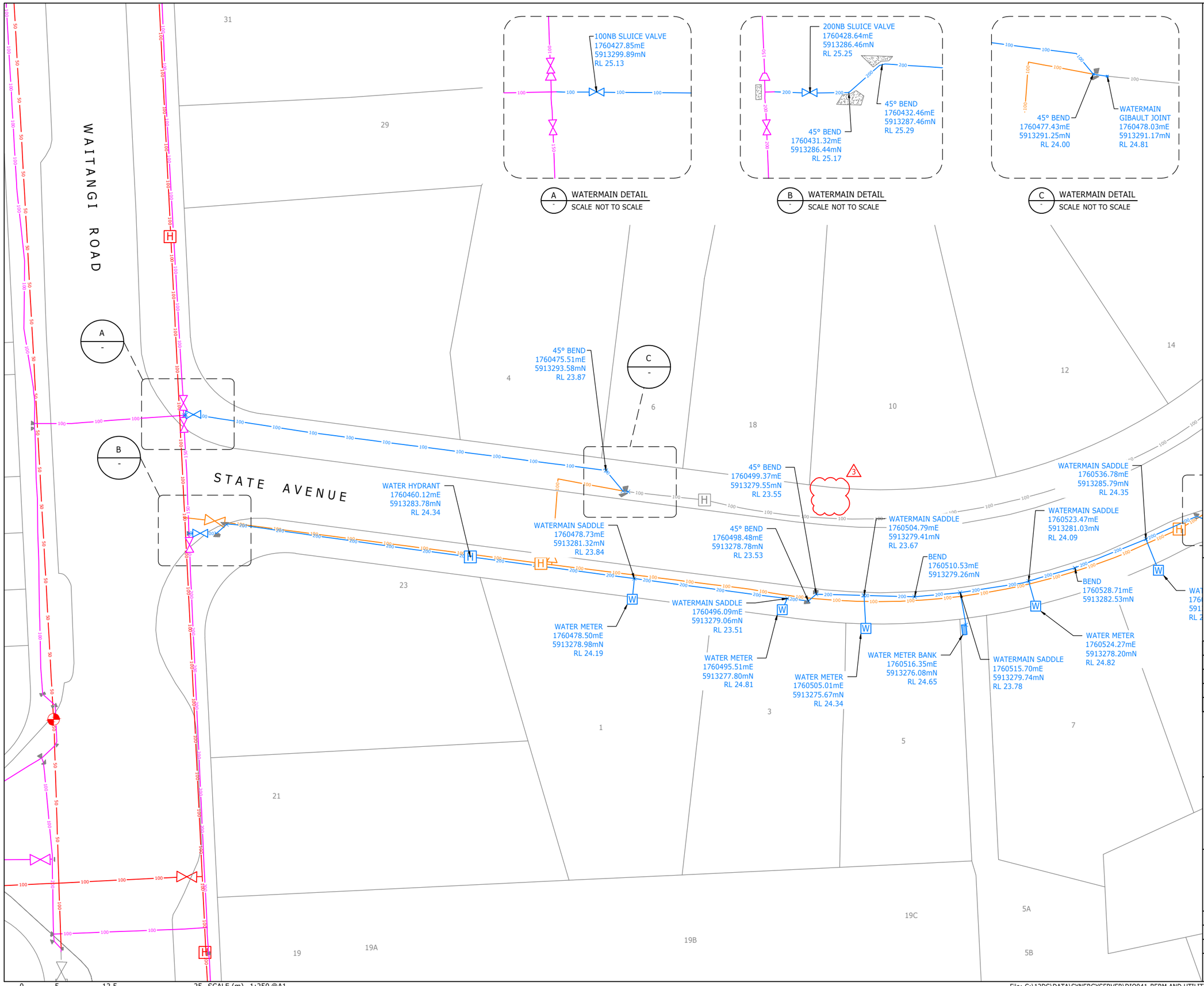
Synergy Version:

Plot Date: 7:25:04 am,6 April 2024, COLE AINU'U



NOTE:

1. REFER TO DIO041-AB82 FOR NOTES AND LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

EACC AS BUILT PLAN CERTIFICATION

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  - FOR ALL OTHER ASSETS +/-20mm (MANHOLE COVERS, EARTHWORKS).

SIGNED .....

LICENSED CADASTRAL SURVEYOR

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023
REVISION DETAILS		BY	DATE

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

STATE AVENUE
WATERMAIN AS-BUILT PLAN
SHEET 1

SURVEYED	LEAD	11.2023
DESIGNED	-	-
DRAWN	CEA	11.2023
CHECKED	CA	04.04.2024
APPROVED	RBH	04.04.2024
SCALE	1:250 @A1 1:500 @A3	REVISION
STATUS	AS BUILT ISSUE	3
PRECINCT	ŌRANGA	
DWG NO	DIO041-AB83	

Synergy Version:

Plot Date: 7:25:05 am,6 April 2024, COLE AINU'U

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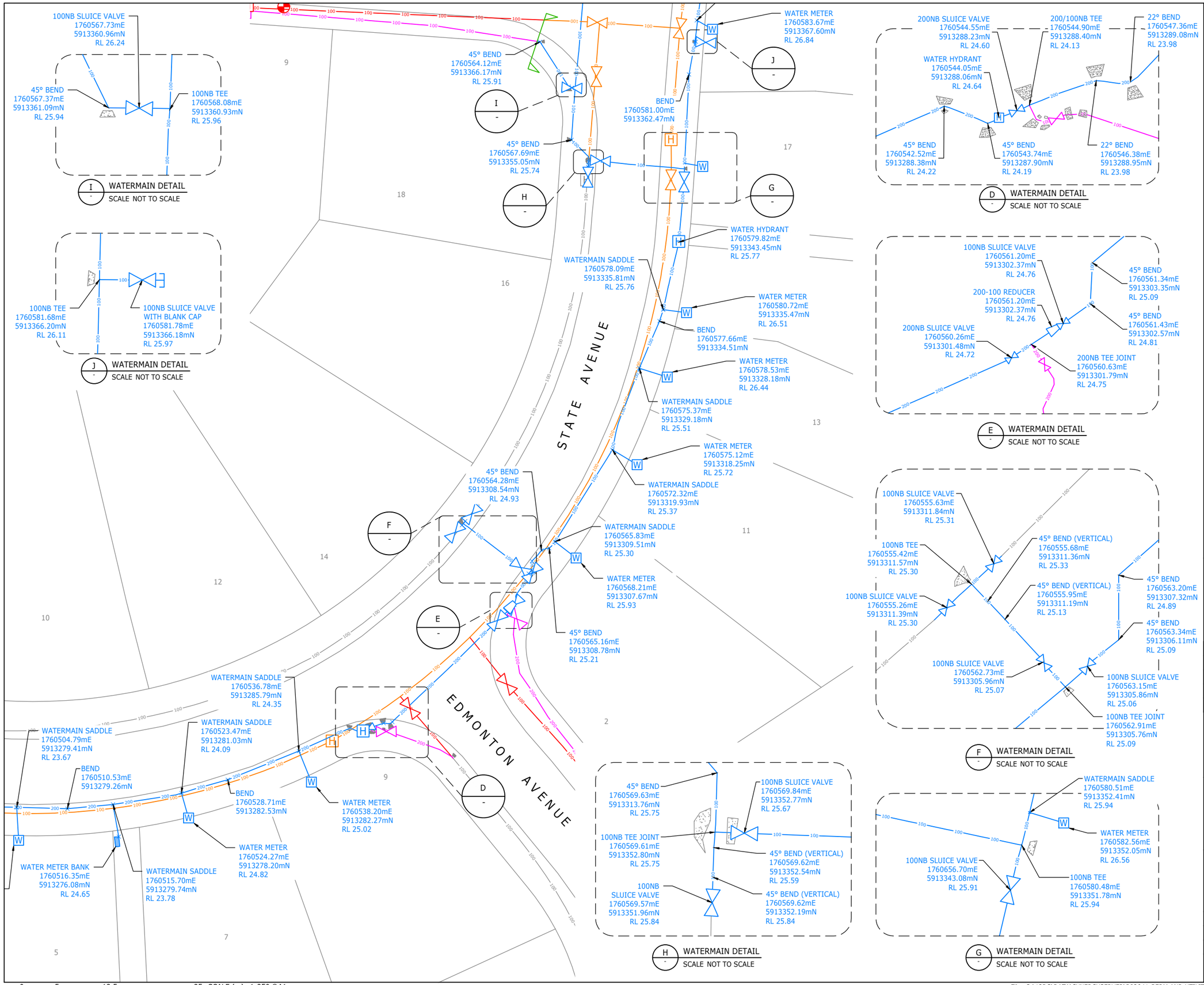

NOTE:

1. REFER TO DIO041-AB82 FOR NOTES AND LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

EACC AS BUILT PLAN CERTIFICATION

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  - FOR ALL OTHER ASSETS +/-20mm (MANHOLE COVERS, EARTHWORKS).

SIGNED .....

LICENSED CADASTRAL SURVEYOR .....

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

REVISION DETAILS		BY	DATE
3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

STATE AVENUE
WATERMAIN AS-BUILT PLAN
SHEET 2

SURVEYED	LEAD	11.2023
DESIGNED	-	-
DRAWN	CEA	11.2023
CHECKED	CA	04.04.2024
APPROVED	RBH	04.04.2024

SCALE	1:250 @A1	1:500 @A3	REVISION
STATUS	AS BUILT ISSUE		3
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB84		

Synergy Version :

Plot Date: 7:25:05 am,6 April 2024, COLE AINU'U

0 5 12.5 25 SCALE (m) 1:250 @A1 1:500 @A3

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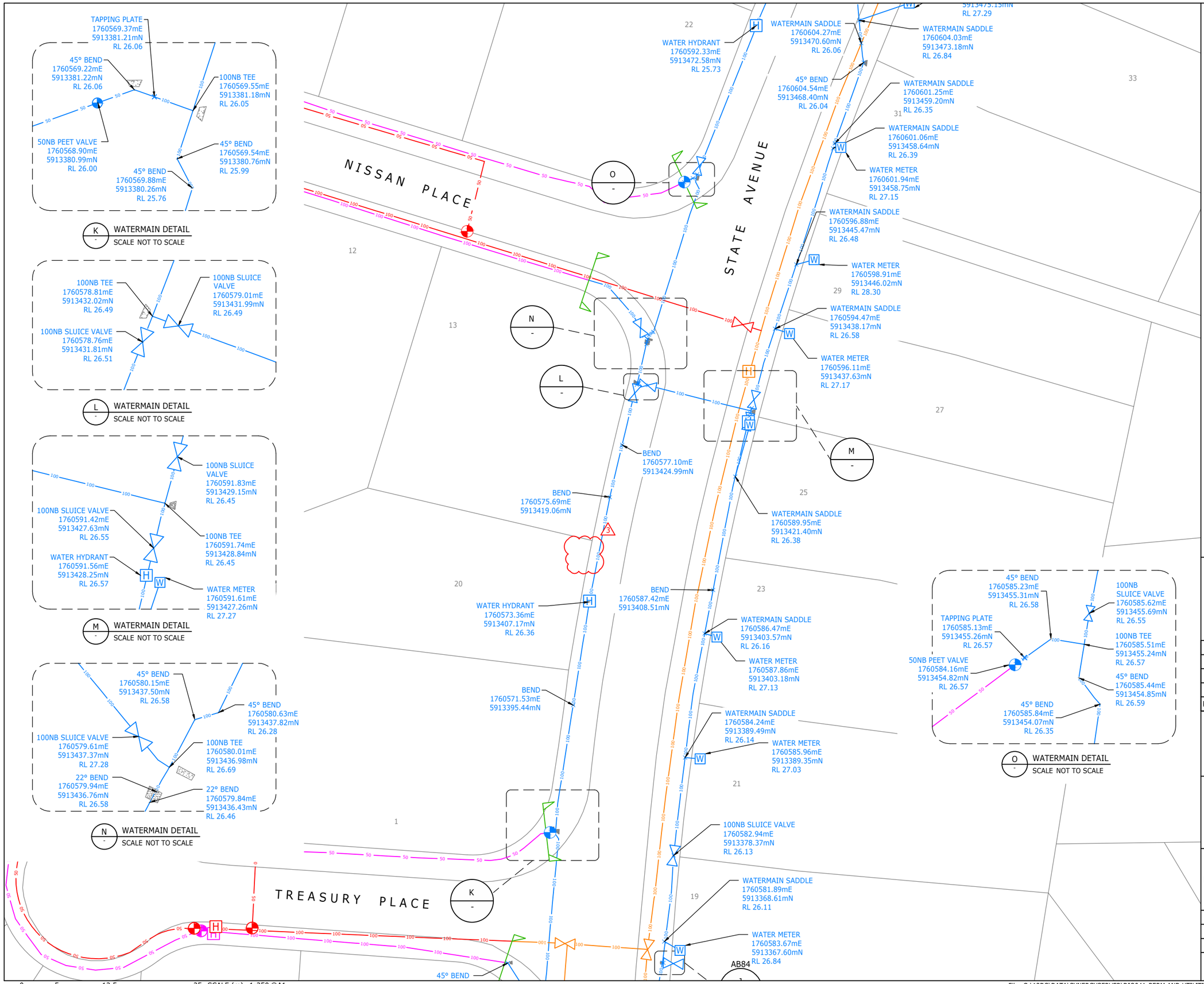

0 5 12.5 25 SCALE (m) 1:250 @A1
1:500 @A3

NOTE:

1. REFER TO DIO041-AB82 FOR NOTES AND LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

EACC AS BUILT PLAN CERTIFICATION

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  - FOR ALL OTHER ASSETS +/-20mm (MANHOLE COVERS, EARTHWORKS).

SIGNED .....

LICENSED CADASTRAL SURVEYOR .....

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

REVISION DETAILS		BY	DATE
3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

STATE AVENUE
WATERMAIN AS-BUILT PLAN
SHEET 3

SURVEYED	LEAD		11.2023
DESIGNED	-		-
DRAWN	CEA		11.2023
CHECKED	CA		04.04.2024
APPROVED	RBH		04.04.2024
SCALE	1:250 @A1	1:500 @A3	REVISION
STATUS	AS BUILT ISSUE		3
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB85		

Synergy Version:

Plot Date: 7:25:06 am,6 April 2024, COLE AINU'U

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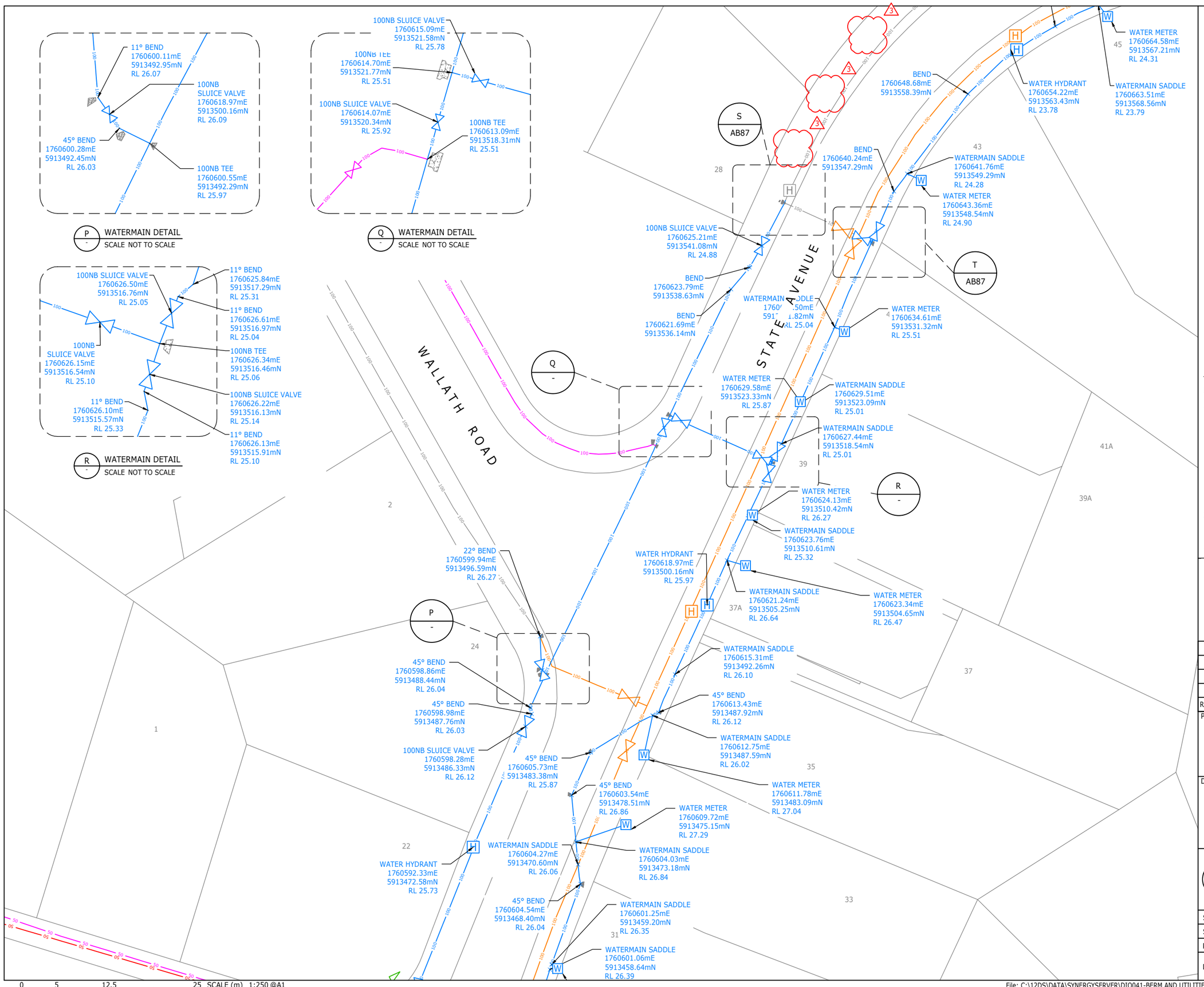

NOTE:

1. REFER TO DIO041-AB82 FOR NOTES AND LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

EACC AS BUILT PLAN CERTIFICATION

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  - FOR ALL OTHER ASSETS +/-20mm (MANHOLE COVERS, EARTHWORKS).

SIGNED .....

LICENSED CADASTRAL SURVEYOR

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023
REVISION DETAILS		BY	DATE

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

STATE AVENUE
WATERMAIN AS-BUILT PLAN
SHEET 4

N	SURVEYED	LEAD	11.2023
	DESIGNED	-	-
	DRAWN	CEA	11.2023
	CHECKED	CA	04.04.2024
	APPROVED	RBH	04.04.2024
SCALE	1:250 @A1	1:500 @A3	REVISION
STATUS	AS BUILT ISSUE		3
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB86		

Synergy Version:

Plot Date: 7:25:07 am,6 April 2024, COLE AINU'U

0 5 12.5 25 SCALE (m) 1:250 @A1
1:500 @A3

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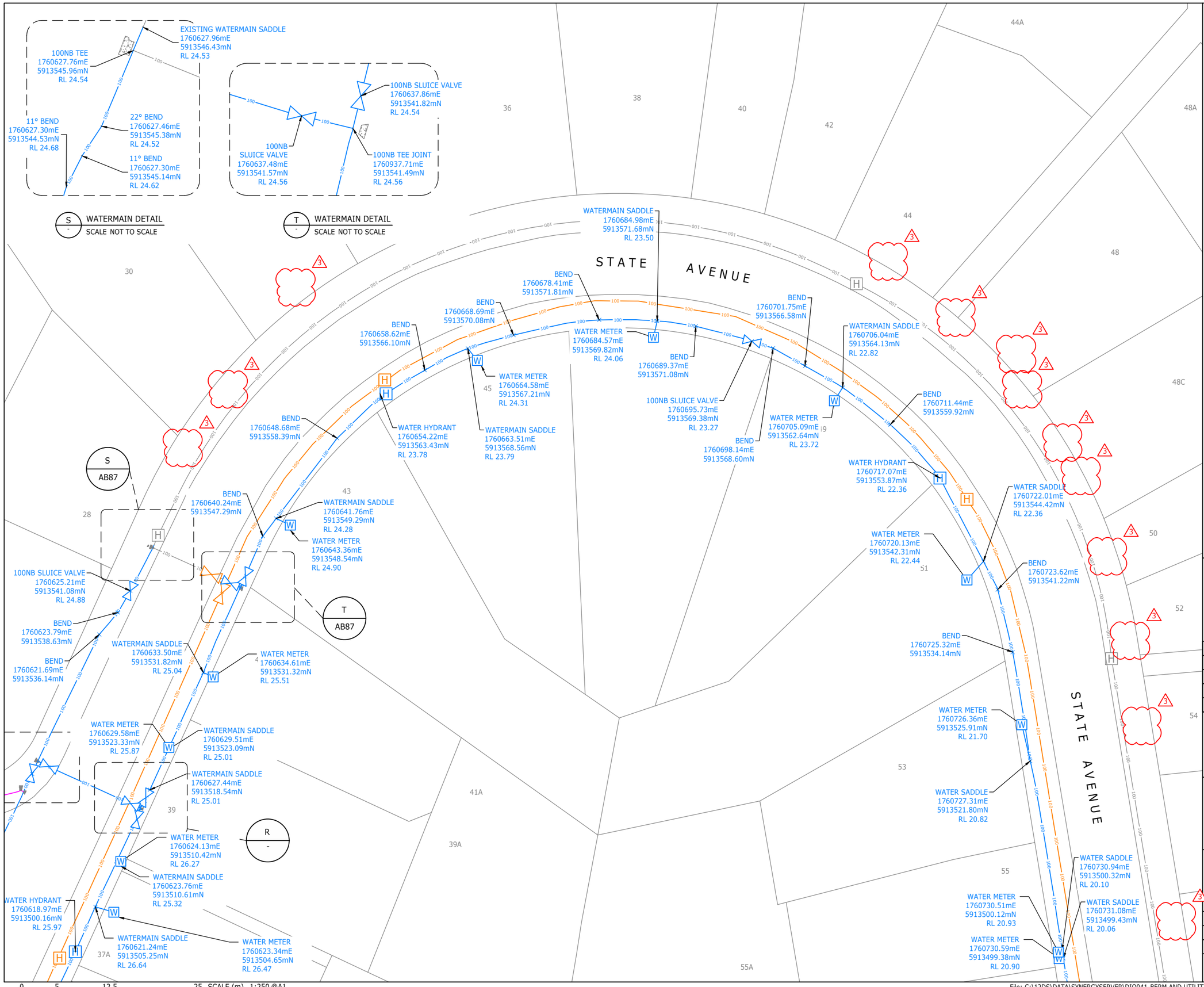

0 5 12.5 25 SCALE (m) 1:250 @A1
1:500 @A3

NOTE:

1. REFER TO DIO041-AB82 FOR NOTES AND LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

EACC AS BUILT PLAN CERTIFICATION

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  - FOR ALL OTHER ASSETS +/-20mm (MANHOLE COVERS, EARTHWORKS).

SIGNED .....

LICENSED CADASTRAL SURVEYOR .....

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023
REVISION DETAILS		BY	DATE

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

STATE AVENUE
WATERMAIN AS-BUILT PLAN
SHEET 5

N

SURVEYED	LEAD	11.2023
DESIGNED	-	-
DRAWN	CEA	11.2023
CHECKED	CA	04.04.2024
APPROVED	RBH	04.04.2024

SCALE	1:250 @A1	1:500 @A3	REVISION
STATUS	AS BUILT ISSUE		3
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB87		

Synergy Version:

Plot Date: 7:25:07 am,6 April 2024, COLE AINU'U

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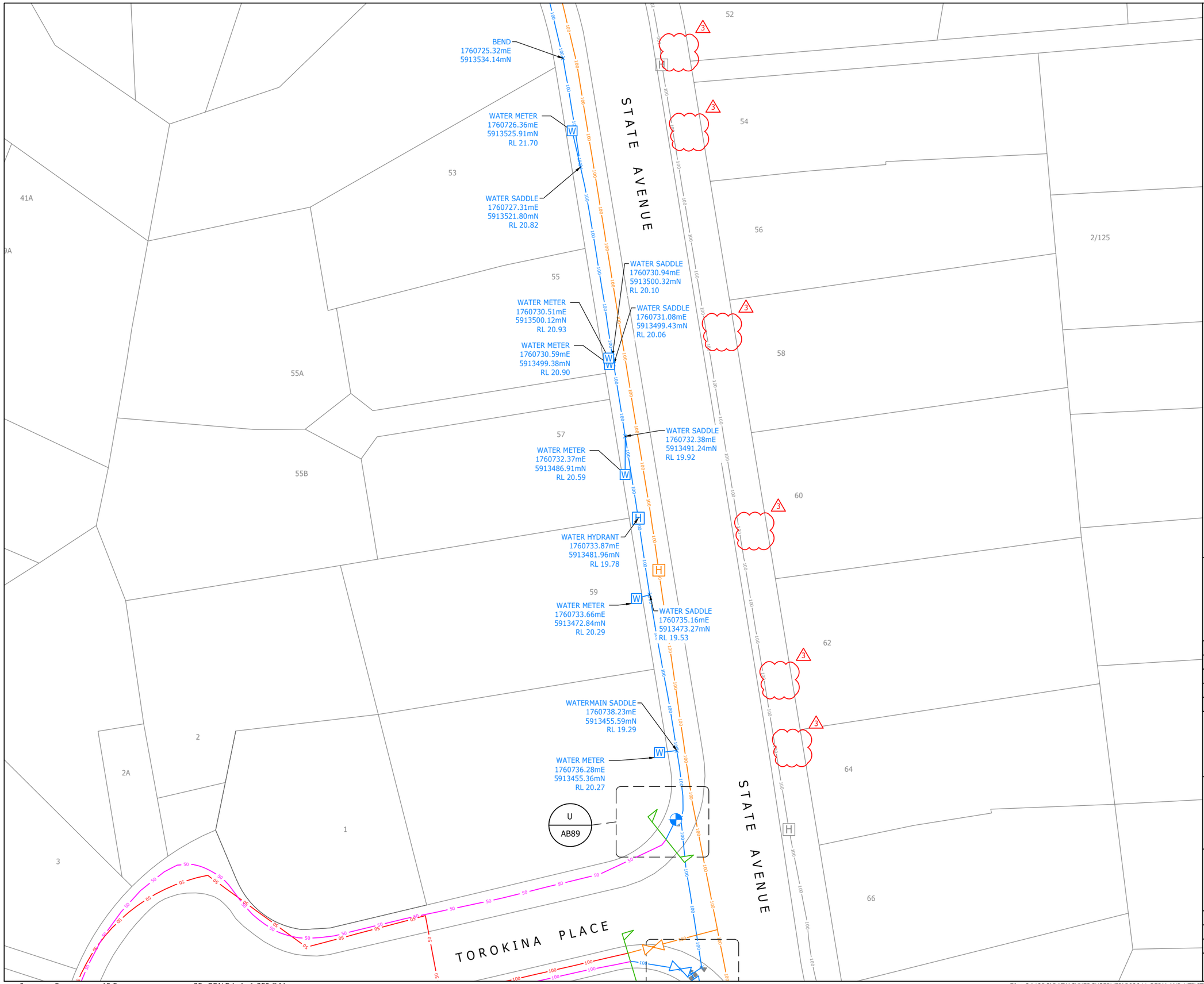

0 5 12.5 25 SCALE (m) 1:250 @A1
1:500 @A3

NOTE:

1. REFER TO DIO041-AB82 FOR NOTES AND LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

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SIGNED .....

LICENSED CADASTRAL SURVEYOR .....

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023
REVISION DETAILS		BY	DATE

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

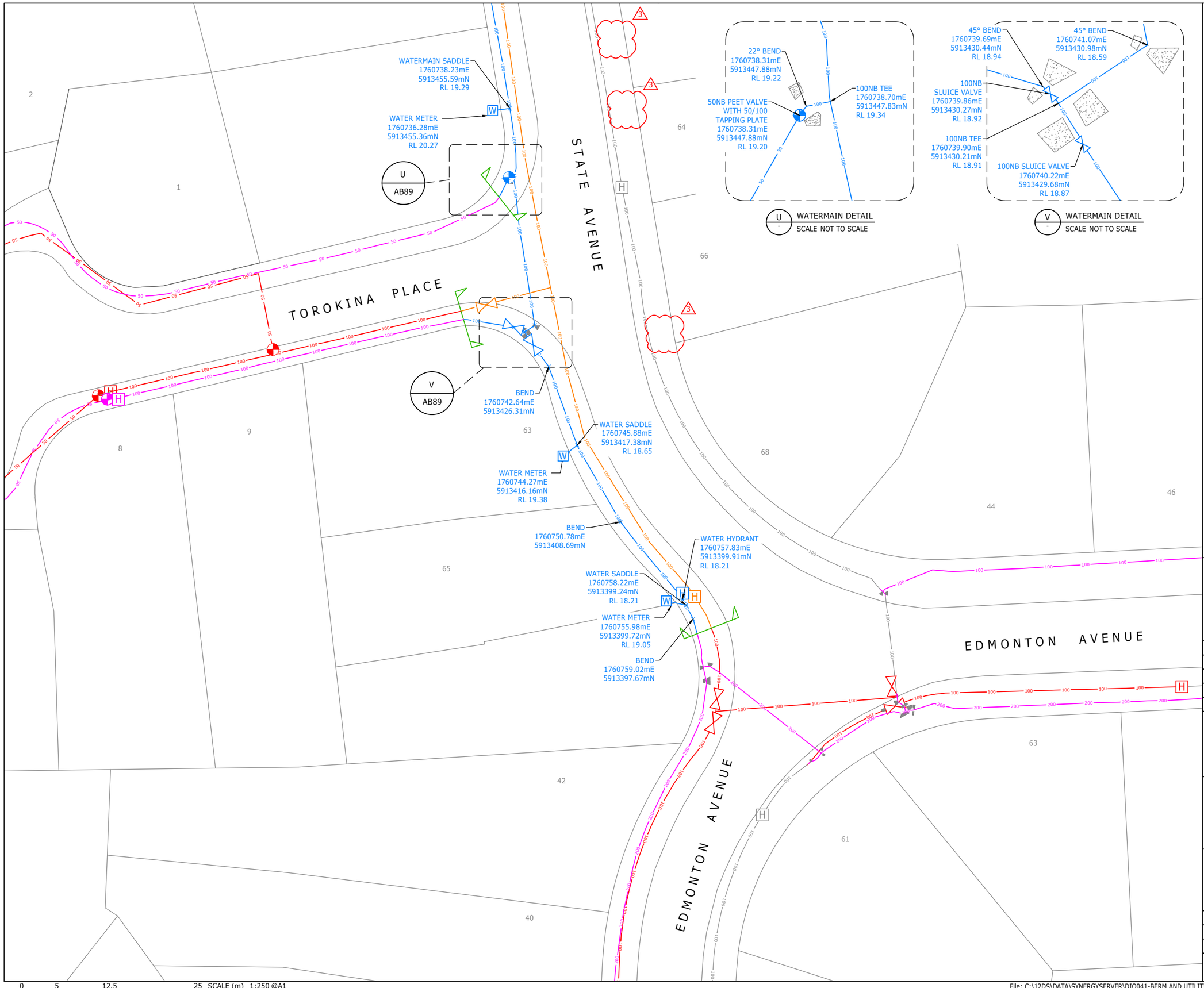
STATE AVENUE
WATERMAIN AS-BUILT PLAN
SHEET 6

N	SURVEYED	LEAD	11.2023
	DESIGNED	-	-
	DRAWN	CEA	11.2023
	CHECKED	CA	04.04.2024
	APPROVED	RBH	04.04.2024
SCALE	1:250 @A1	1:500 @A3	REVISION
STATUS	AS BUILT ISSUE		3
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB88		

Synergy Version:

Plot Date: 7:25:08 am,6 April 2024, COLE AINU'U

File: C:\12DS\DATA\SYNERGYSERVER\DIO041-BERM AND UTILITIES UPGRADE - TOC27_160\08 SURVEY\CAD\DIO041-AB82-AB89.DWG



NOTE:

1. REFER TO DIO041-AB82 FOR NOTES AND LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60352314

EACC AS BUILT PLAN CERTIFICATION

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  - FOR ALL OTHER ASSETS +/-20mm (MANHOLE COVERS, EARTHWORKS).

SIGNED .....

LICENSED CADASTRAL SURVEYOR

NAME: RYAN BRUCE HEALEY DATE: 04.04.2024

Kāinga Ora Homes and Communities

LEAD ALLIANCE Laying the Groundwork

REVISION DETAILS		BY	DATE
3	FOR COA APPROVAL	RBH	04.04.2024
2	FOR COA APPROVAL	RBH	13.03.2024
1	COA APPROVAL	RBH	30.11.2023

PROJECT:

ŌRANGA
BERM AND UTILITIES UPGRADE

DESCRIPTION:

STATE AVENUE
WATERMAIN AS-BUILT PLAN
SHEET 7

N

SURVEYED	LEAD	11.2023
DESIGNED	-	-
DRAWN	CEA	11.2023
CHECKED	CA	04.04.2024
APPROVED	RBH	04.04.2024

SCALE	1:250 @A1	1:500 @A3	REVISION
STATUS	AS BUILT ISSUE		3
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB89		

0 5 12.5 25 SCALE (m) 1:250 @A1
1:500 @A3

File: C:\12DS\DATA\SYNERGYSERVER\DIO041-BERM AND UTILITIES UPGRADE - TOC27_160\08 SURVEY\CAD\DIO041-AB82-AB89.DWG

Synergy Version:

Plot Date: 7:25:08 am,6 April 2024 , COLE AINU'U