

- LEGEND:**
- NEW WATERMAIN
 - NEW WATERMAIN VESTED UNDER SEPERATE EPAS
 - EXISTING WATERMAIN
 - ABANDONED WATERMAIN
 - ABANDONED WATERMAIN UNDER SEPERATE EPAS
 - WATERMAIN REMOVED UNDER SEPERATE EPAS
 - 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 EPAS
 - HYDRANT REMOVED UNDER SEPERATE EPAS
 - PEET VALVE REMOVED UNDER SEPERATE EPAS
 - NEW SLUICE VALVE VESTED UNDER SEPERATE EPAS
 - NEW WATER HYDRANT VESTED UNDER SEPERATE EPAS
 - PEET VALVE VESTED UNDER SEPERATE EPAS
 - ANCHOR BLOCK

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60362313

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 CAESTRAL SURVEYOR
 NAME: RYAN BRUCE HEALEY DATE: 09.02.2024



1	COA APPROVAL	RBH	09.02.2024
REVISION DETAILS		BY	DATE

PROJECT: **ŌRANGA BERM AND UTILITIES UPGRADE**

DESCRIPTION: **EDMONTON AVENUE WATERMAIN AS-BUILT OVERALL PLAN**

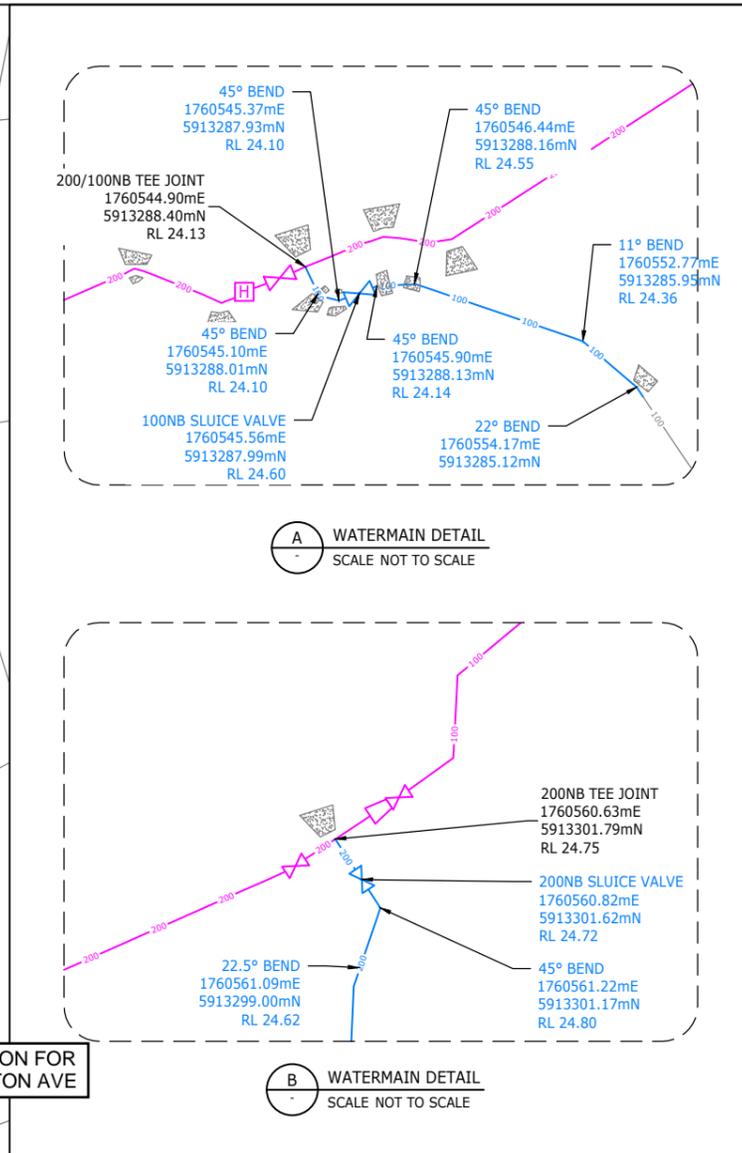
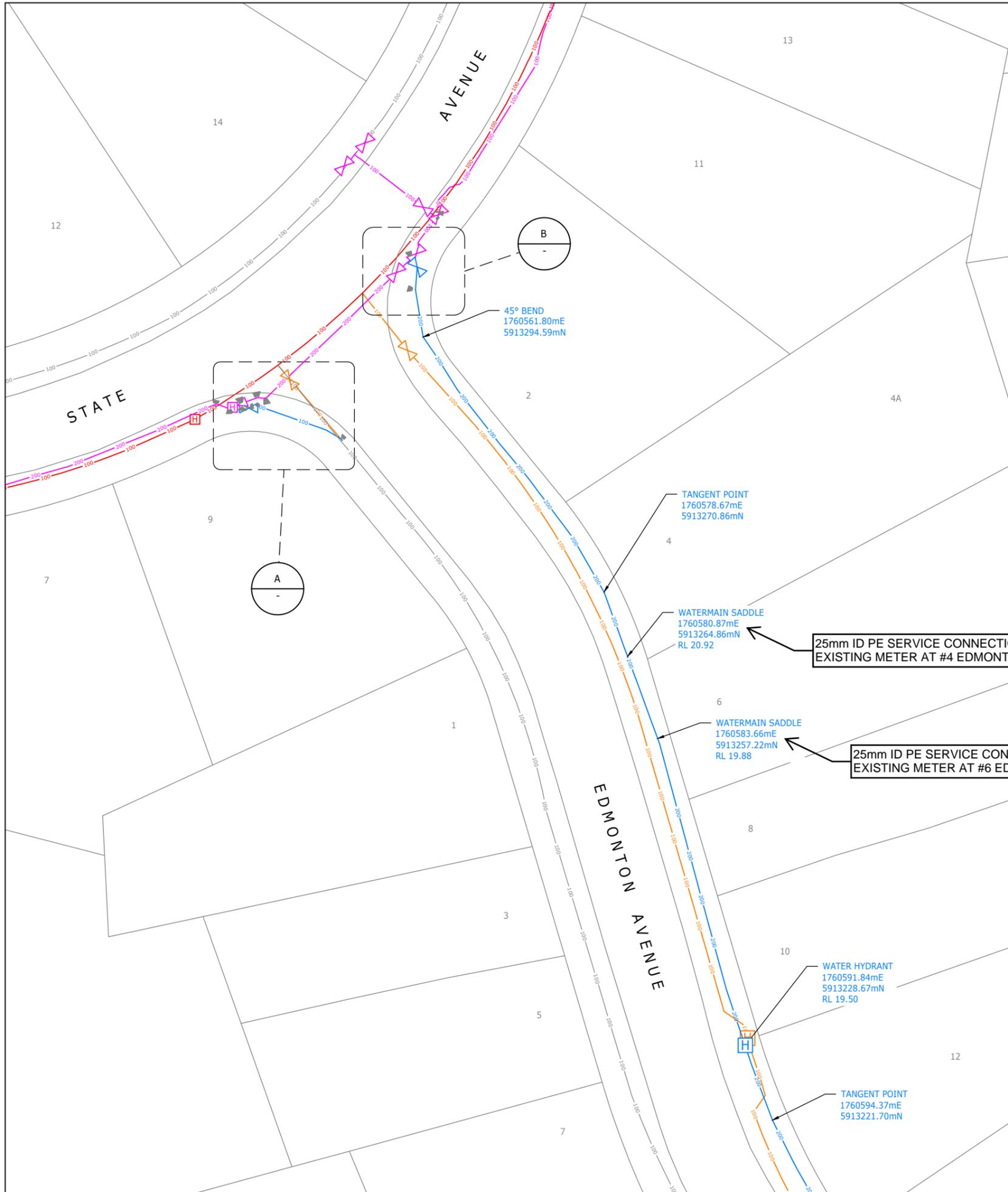
	SURVEYED	LEAD	01.2024
	DESIGNED	-	-
	DRAWN	CEA	01.2024
	CHECKED	CA	09.02.2024
	APPROVED	RBH	09.02.2024

SCALE	1:1000 @A1	1:2000 @A3	REVISION
STATUS	AS BUILT ISSUE		1
PRECINCT	ŌRANGA		

DWG NO: **DIO041-AB120**

- PROPOSED PE WATERMAINS**
 THE WATERMAINS BELOW ARE TO THE SPECIFICATION: MDPE PE80B SDR11 PN12.5 COLOURED BLUE (AS/NZS 4130/4131)
- ID-50: DN63 - ACTUAL 63.300D / 51.00ID — **63** —
- THE WATERMAIN BELOW IS TO THE SPECIFICATION: MDPE PE100 SDR13.6 PN12.5 (AS/NZS 4130/4131)
- ID-150: DN180 - ACTUAL 180.00D / 152.70ID — **180** — **180** —
 - ID-100: DN125 - ACTUAL 125.00D / 106.10ID — **125** —
 - ID-200: DN250 - ACTUAL 250.00D / 212.35ID — **250** —
 - ID-250: DN315 - ACTUAL 315.00D / 267.55ID — **315** —

0 20 50 100 SCALE (m) 1:1000 @A1
 1:2000 @A3



NOTE:
1. REFER TO DIO041-AB120 FOR LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60362313

EACC AS BUILT PLAN CERTIFICATION

I CERTIFY THAT THESE AS-BUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

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

SIGNED: *Ryan Bruce Healey*
 LICENSED COUNCIL SURVEYOR
 NAME: RYAN BRUCE HEALEY DATE: 09.02.2024



1	COA APPROVAL	RBH	09.02.2024
REVISION DETAILS		BY	DATE

PROJECT: **ŌRANGA BERM AND UTILITIES UPGRADE**

DESCRIPTION: **EDMONTON AVENUE WATERMAIN AS-BUILT PLAN SHEET 1**

N	SURVEYED	LEAD	01.2024
	DESIGNED	-	-
	DRAWN	CEA	01.2024
	CHECKED	CA	09.02.2024
	APPROVED	RBH	09.02.2024

SCALE: 1:200 @A1 | 1:400 @A3 | REVISION: **1**

STATUS: **AS BUILT ISSUE**

PRECINCT: ŌRANGA

DWG NO: **DIO041-AB121**

PROPOSED PE WATERMAINS
 THE WATERMAINS BELOW ARE TO THE SPECIFICATION: MDPE PE80B SDR11 PN12.5 COLOURED BLUE (AS/NZS 4130/4131)

ID-50: DN63 - ACTUAL 63.30D / 51.00ID — 63 —

THE WATERMAIN BELOW IS TO THE SPECIFICATION: MDPE PE100 SDR13.6 PN12.5 (AS/NZS 4130/4131)

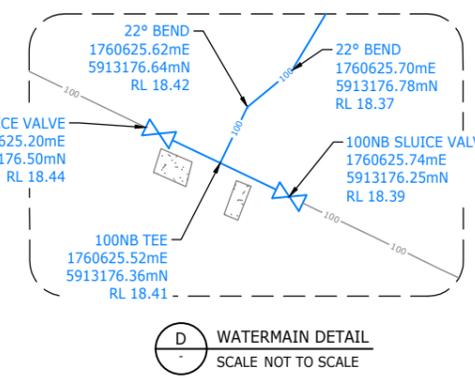
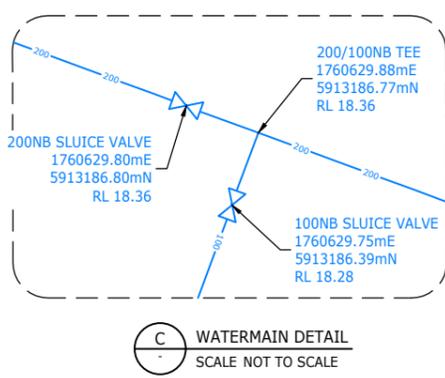
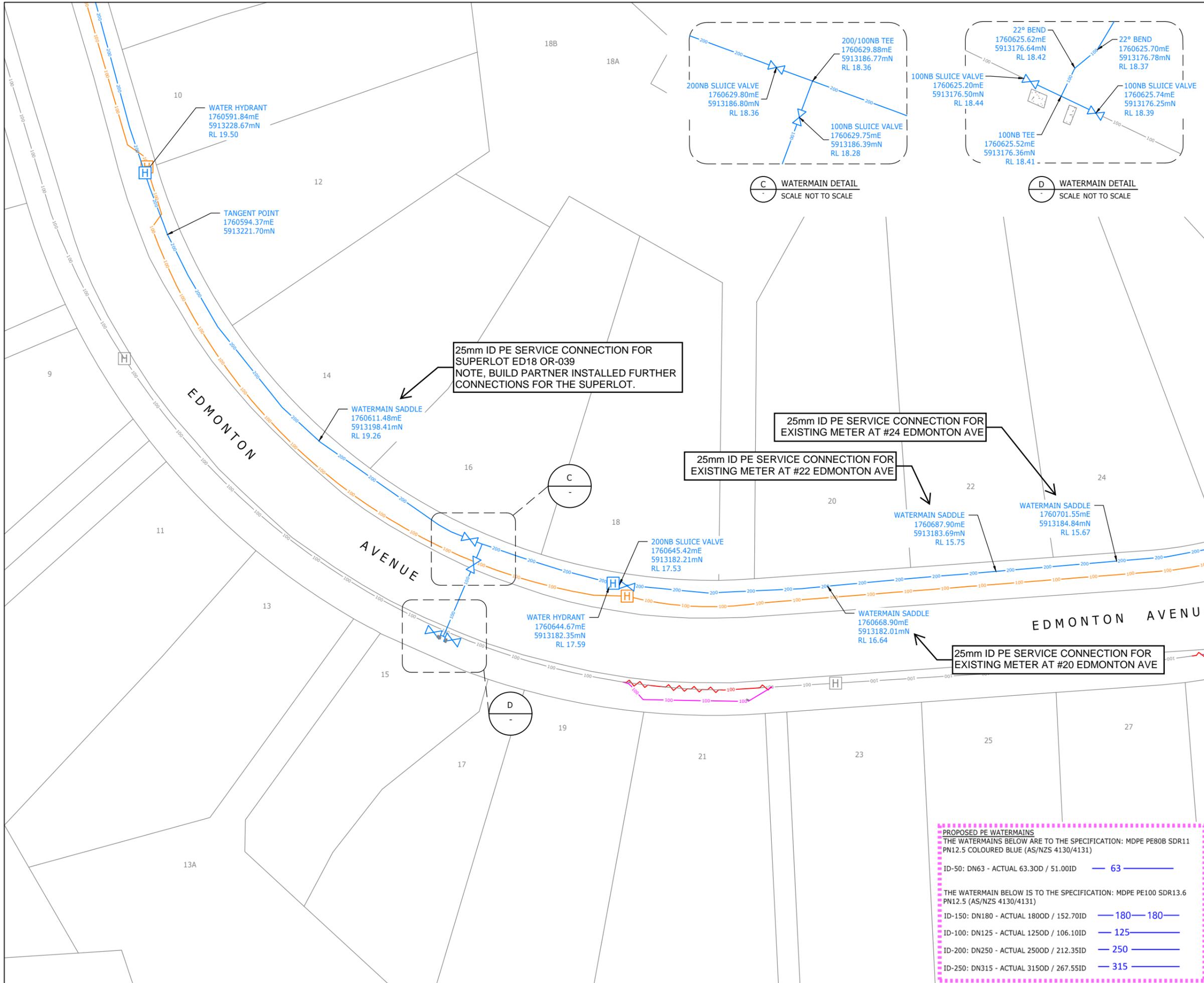
ID-150: DN180 - ACTUAL 180OD / 152.70ID — 180 — 180 —

ID-100: DN125 - ACTUAL 125OD / 106.10ID — 125 —

ID-200: DN250 - ACTUAL 250OD / 212.35ID — 250 —

ID-250: DN315 - ACTUAL 315OD / 267.55ID — 315 —

0 4 10 20 SCALE (m) 1:200 @A1 1:400 @A3



NOTE:
1. REFER TO DIO041-AB120 FOR LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60362313

EACC AS BUILT PLAN CERTIFICATION

I CERTIFY THAT THESE AS-BUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

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

SIGNED: *Ryan Bruce Healey*
LICENSED CADASTRAL SURVEYOR
NAME: RYAN BRUCE HEALEY DATE: 09.02.2024



1	COA APPROVAL	RBH	09.02.2024
REVISION DETAILS		BY	DATE

PROJECT: **ŌRANGA BERM AND UTILITIES UPGRADE**

DESCRIPTION: **EDMONTON AVENUE WATERMAIN AS-BUILT PLAN SHEET 2**

N	SURVEYED	LEAD	01.2024
	DESIGNED	-	-
	DRAWN	CEA	01.2024
	CHECKED	CA	09.02.2024
	APPROVED	RBH	09.02.2024

SCALE	1:200 @A1	1:400 @A3	REVISION
STATUS	AS BUILT ISSUE		1
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB122		

PROPOSED PE WATERMAINS

THE WATERMAINS BELOW ARE TO THE SPECIFICATION: MDPE PE80B SDR11 PN12.5 COLOURED BLUE (AS/NZS 4130/4131)

ID-50: DN63 - ACTUAL 63.30D / 51.00ID — 63 —

THE WATERMAIN BELOW IS TO THE SPECIFICATION: MDPE PE100 SDR13.6 PN12.5 (AS/NZS 4130/4131)

ID-150: DN180 - ACTUAL 180OD / 152.70ID — 180 — 180 —

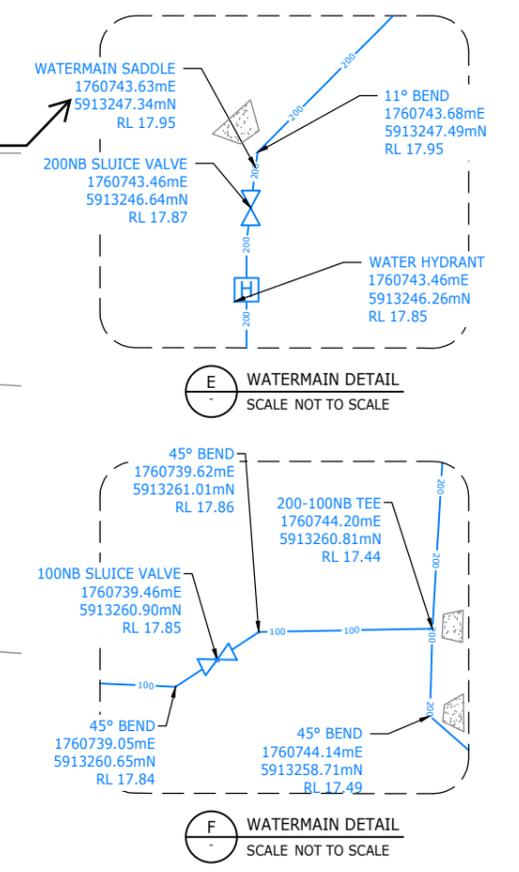
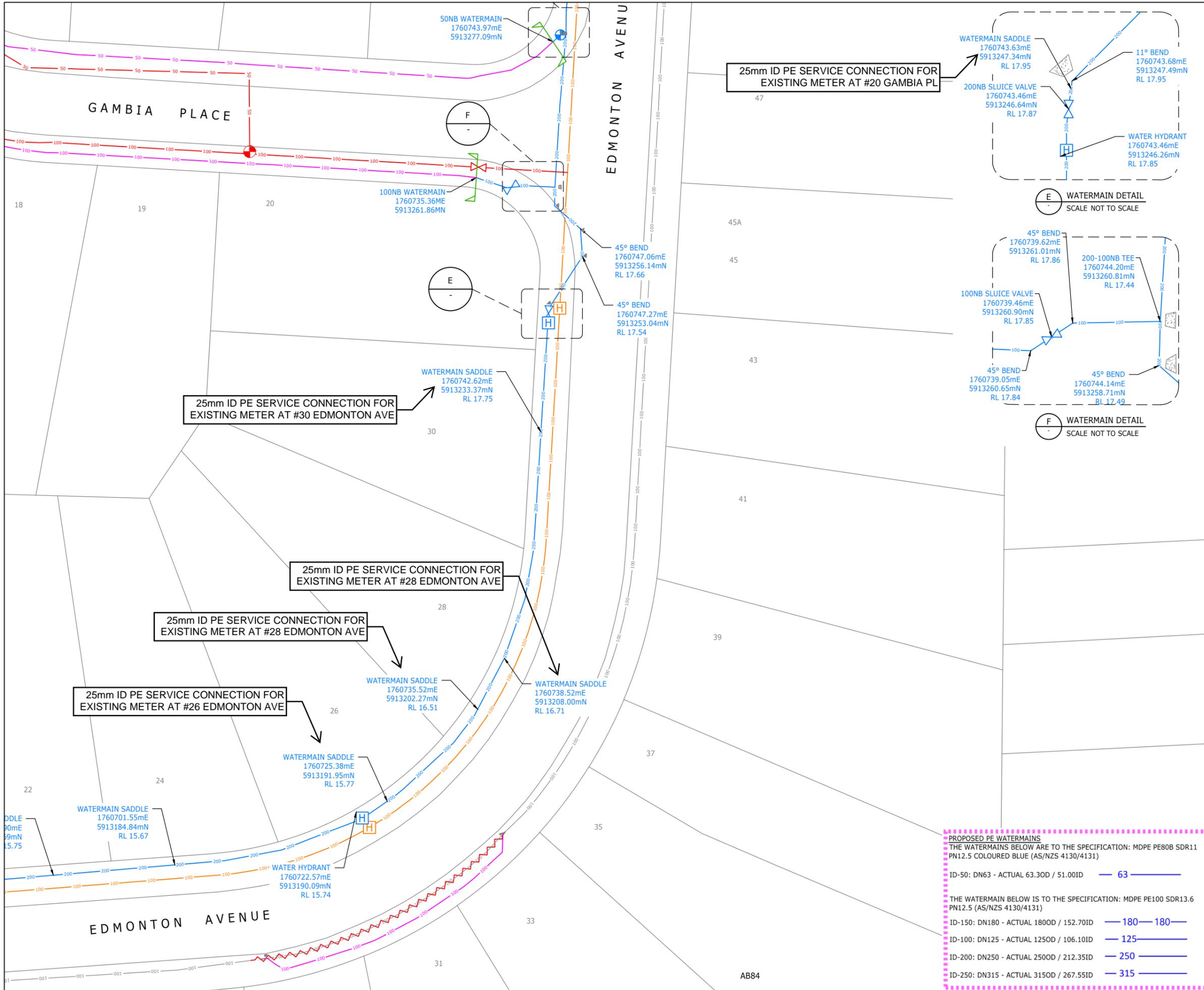
ID-100: DN125 - ACTUAL 125OD / 106.10ID — 125 —

ID-200: DN250 - ACTUAL 250OD / 212.35ID — 250 —

ID-250: DN315 - ACTUAL 315OD / 267.55ID — 315 —

0 4 10 20 SCALE (m) 1:200 @A1 1:400 @A3

Plot Date: 11:54:39 am, 9 February 2024, COLE ATNUU Synergy Version:



NOTE:
1. REFER TO DIO041-AB120 FOR LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60362313

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

SIGNED: *Ryan Bruce Healey*
 LICENSED COUNCIL SURVEYOR
 NAME: RYAN BRUCE HEALEY DATE: 09.02.2024



1	COA APPROVAL	RBH	09.02.2024
REVISION DETAILS		BY	DATE

PROJECT: **ŌRANGA BERM AND UTILITIES UPGRADE**

DESCRIPTION: **EDMONTON AVENUE WATERMAIN AS-BUILT PLAN SHEET 3**

N	SURVEYED	LEAD	01.2024
	DESIGNED	-	-
	DRAWN	CEA	01.2024
	CHECKED	CA	09.02.2024
	APPROVED	RBH	09.02.2024

SCALE	1:200 @A1	1:400 @A3	REVISION
STATUS	AS BUILT ISSUE		1
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB123		

PROPOSED PE WATERMAINS
 THE WATERMAINS BELOW ARE TO THE SPECIFICATION: MDPE PE80B SDR11 PN12.5 COLOURED BLUE (AS/NZS 4130/4131)

ID-50: DN63 - ACTUAL 63.30D / 51.00ID — 63 —

THE WATERMAIN BELOW IS TO THE SPECIFICATION: MDPE PE100 SDR13.6 PN12.5 (AS/NZS 4130/4131)

ID-150: DN180 - ACTUAL 180.0D / 152.70ID — 180 — 180 —

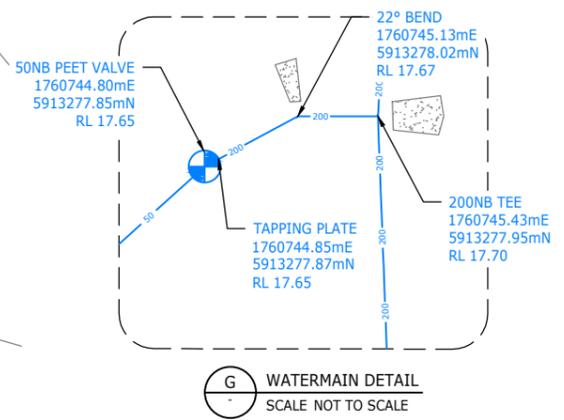
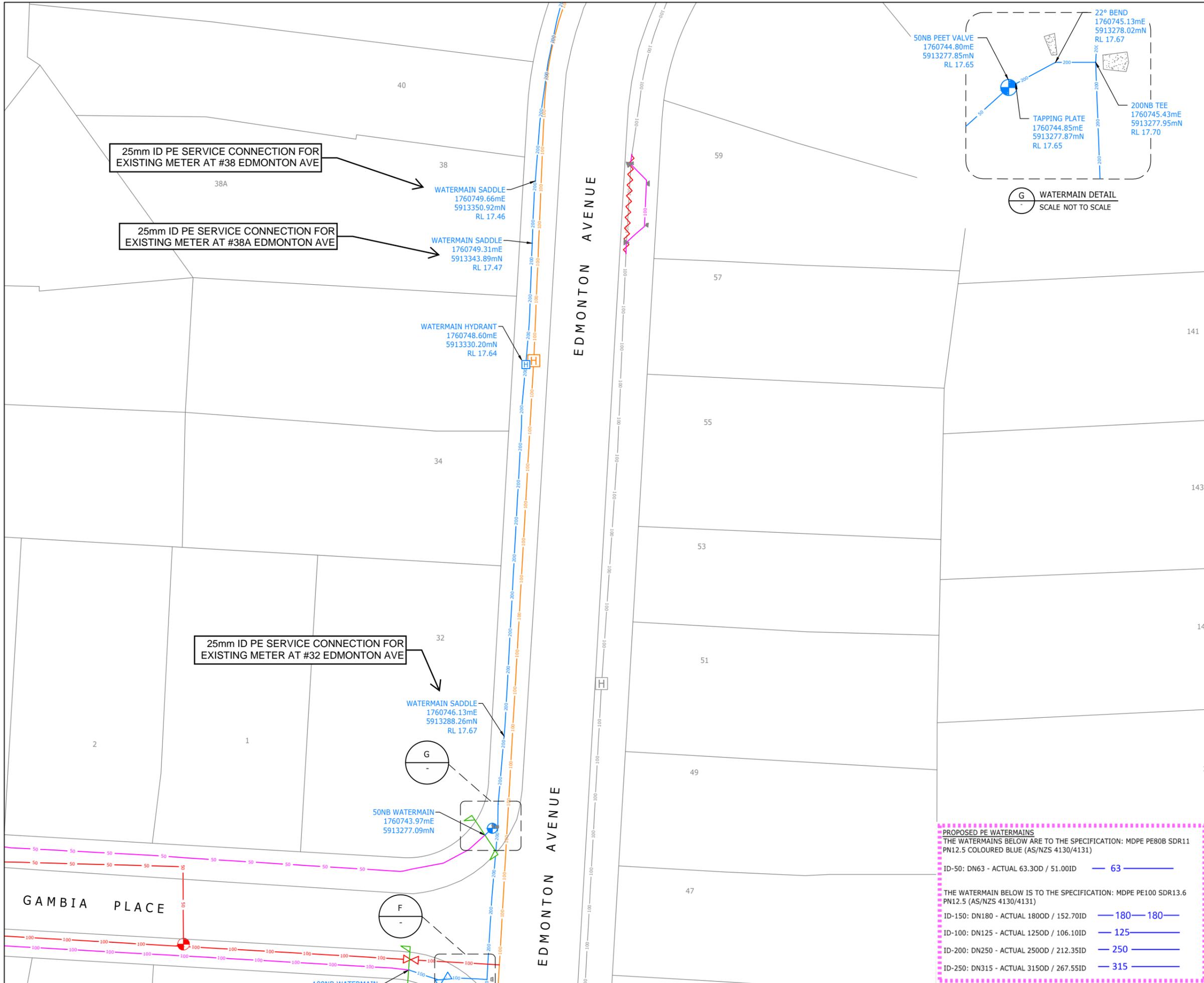
ID-100: DN125 - ACTUAL 125.0D / 106.10ID — 125 —

ID-200: DN250 - ACTUAL 250.0D / 212.35ID — 250 —

ID-250: DN315 - ACTUAL 315.0D / 267.55ID — 315 —

SCALE (m) 1:200 @A1
1:400 @A3

Plot Date: 11:54:39 am, 9 February 2024, COLE ATNUU Synergy Version:



NOTE:
1. REFER TO DIO041-AB120 FOR LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60362313

EACC AS BUILT PLAN CERTIFICATION
I CERTIFY THAT THESE AS-BUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

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

SIGNED: *Ryan Bruce Healey*
LICENSED COUNTRAL SURVEYOR
NAME: RYAN BRUCE HEALEY DATE: 09.02.2024



1	COA APPROVAL	RBH	09.02.2024
REVISION DETAILS		BY	DATE

PROJECT: **ŌRANGA BERM AND UTILITIES UPGRADE**

DESCRIPTION: **EDMONTON AVENUE WATERMAIN AS-BUILT PLAN SHEET 4**

N	SURVEYED	LEAD	01.2024
	DESIGNED	-	-
	DRAWN	CEA	01.2024
	CHECKED	CA	09.02.2024
	APPROVED	RBH	09.02.2024

SCALE: 1:200 @A1 | 1:400 @A3 | REVISION: **1**

STATUS: **AS BUILT ISSUE**

PRECINCT: ŌRANGA

DWG NO: **DIO041-AB124**

PROPOSED PE WATERMAINS
THE WATERMAINS BELOW ARE TO THE SPECIFICATION: MDPE PE80B SDR11 PN12.5 COLOURED BLUE (AS/NZS 4130/4131)

ID-50: DN63 - ACTUAL 63.30D / 51.00ID — **63** —

THE WATERMAIN BELOW IS TO THE SPECIFICATION: MDPE PE100 SDR13.6 PN12.5 (AS/NZS 4130/4131)

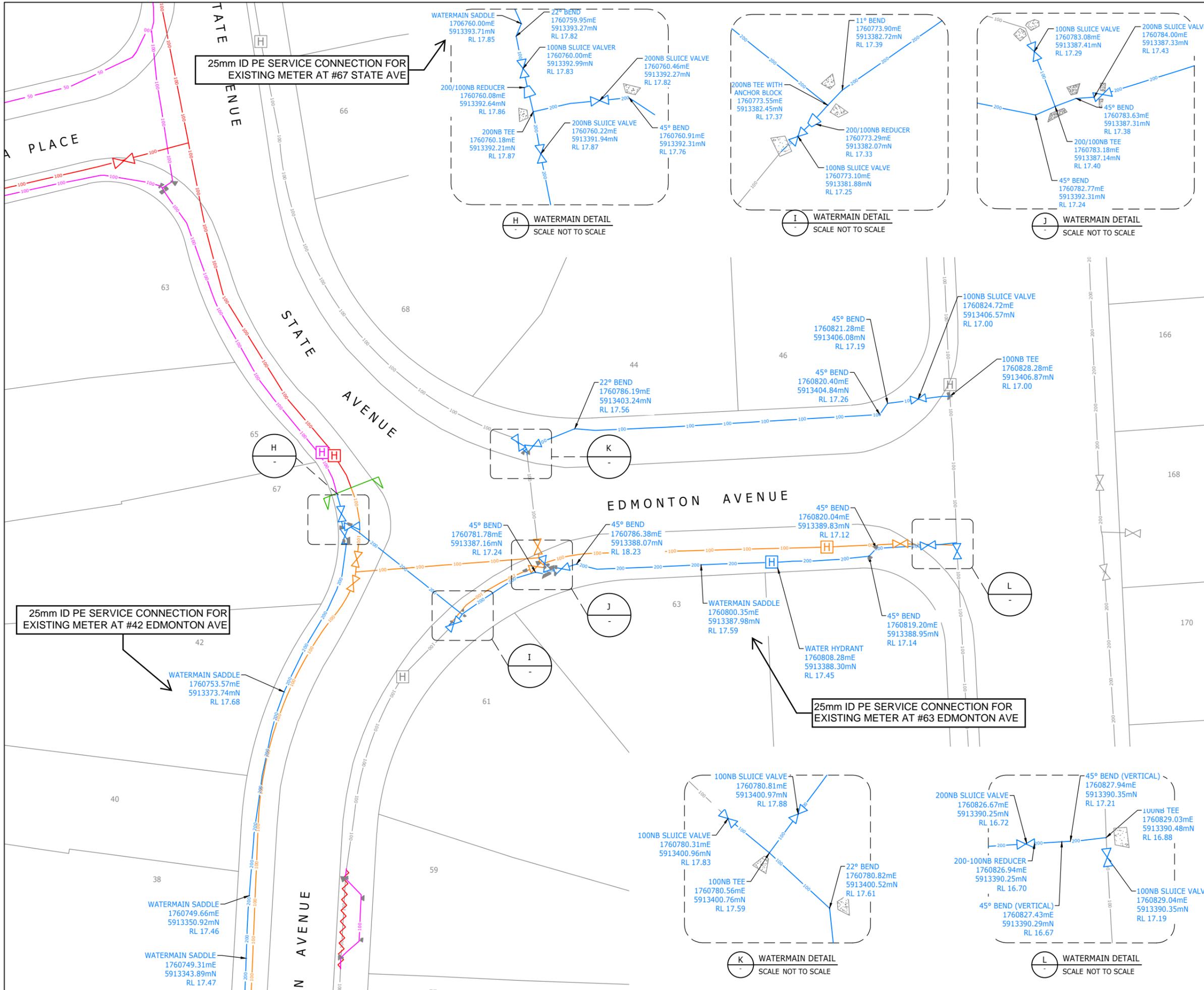
ID-150: DN180 - ACTUAL 180OD / 152.70ID — **180** — **180** —

ID-100: DN125 - ACTUAL 125OD / 106.10ID — **125** —

ID-200: DN250 - ACTUAL 250OD / 212.35ID — **250** —

ID-250: DN315 - ACTUAL 315OD / 267.55ID — **315** —

SCALE (m) 1:200 @A1
1:400 @A3



NOTE:
1. REFER TO DIO041-AB120 FOR LEGEND

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH AUCKLAND COUNCIL ENGINEERING APPROVAL ENG60362313

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

SIGNED: *Ryan Bruce Healey*
 LICENSED CADASTRAL SURVEYOR
 NAME: RYAN BRUCE HEALEY DATE: 09.02.2024



1	COA APPROVAL	RBH	09.02.2024
REVISION DETAILS		BY	DATE

PROJECT: **ŌRANGA BERM AND UTILITIES UPGRADE**

DESCRIPTION: **EDMONTON AVENUE WATERMAIN AS-BUILT PLAN SHEET 5**

N	SURVEYED	LEAD	01.2024
	DESIGNED	-	-
	DRAWN	CEA	01.2024
	CHECKED	CA	09.02.2024
	APPROVED	RBH	09.02.2024

SCALE	1:200 @A1	1:400 @A3	REVISION
STATUS	AS BUILT ISSUE		1
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB125		

0 4 10 20 SCALE (m) 1:200 @A1 1:400 @A3

Plot Date: 11:54:40 am, 9 February 2024, COLE AINUU Synergy Version: