

**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:
  - 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 COUNCIL SURVEYOR

NAME: RYAN BRUCE HEALEY DATE: 09.02.2024


NO	REVISION	BY	DATE
1	COA APPROVAL	RBH	09.02.2024

PROJECT:

**ŌRANGA BERM AND UTILITIES UPGRADE**

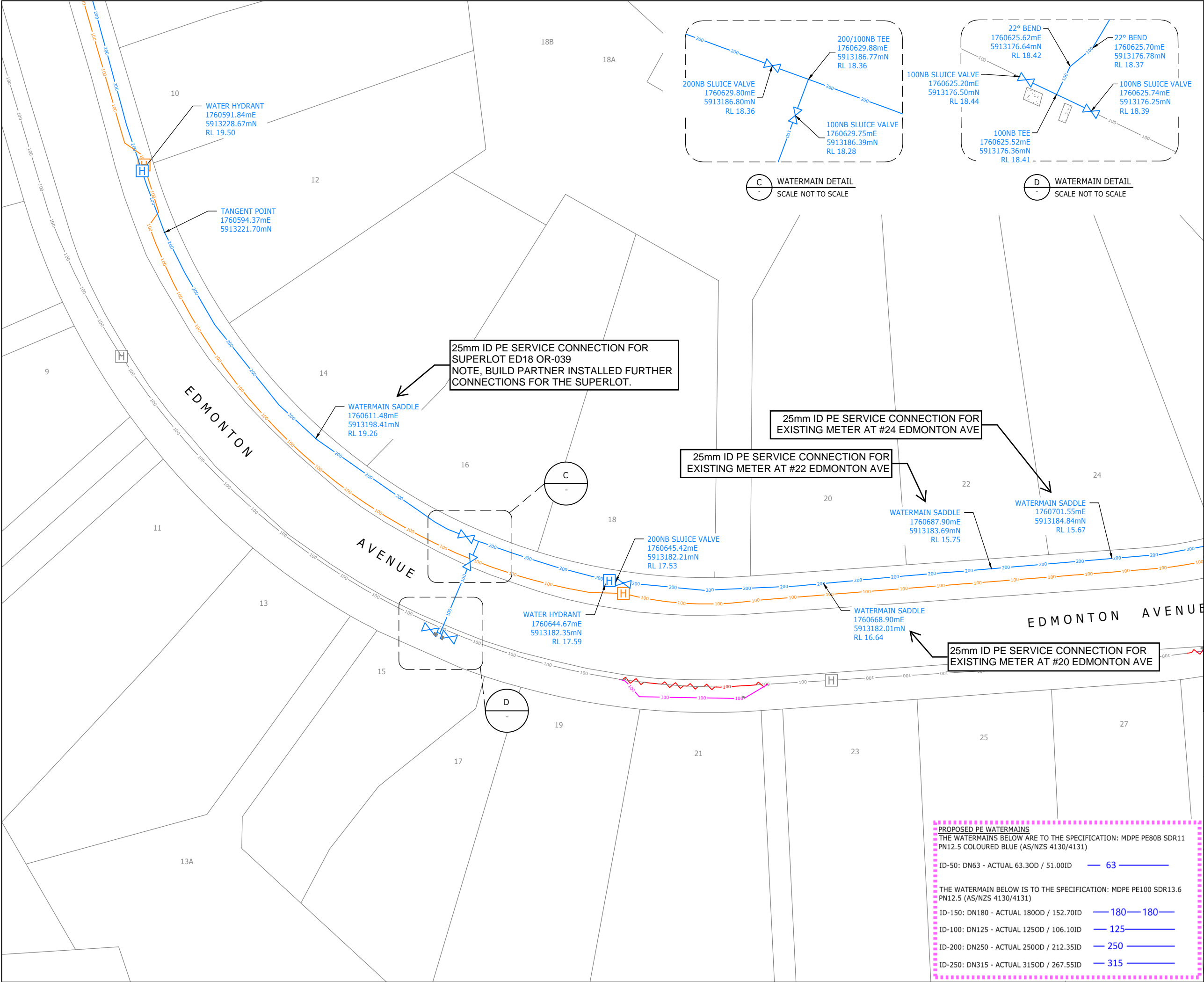
DESCRIPTION:

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



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-AB121		



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:
  - 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 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 2

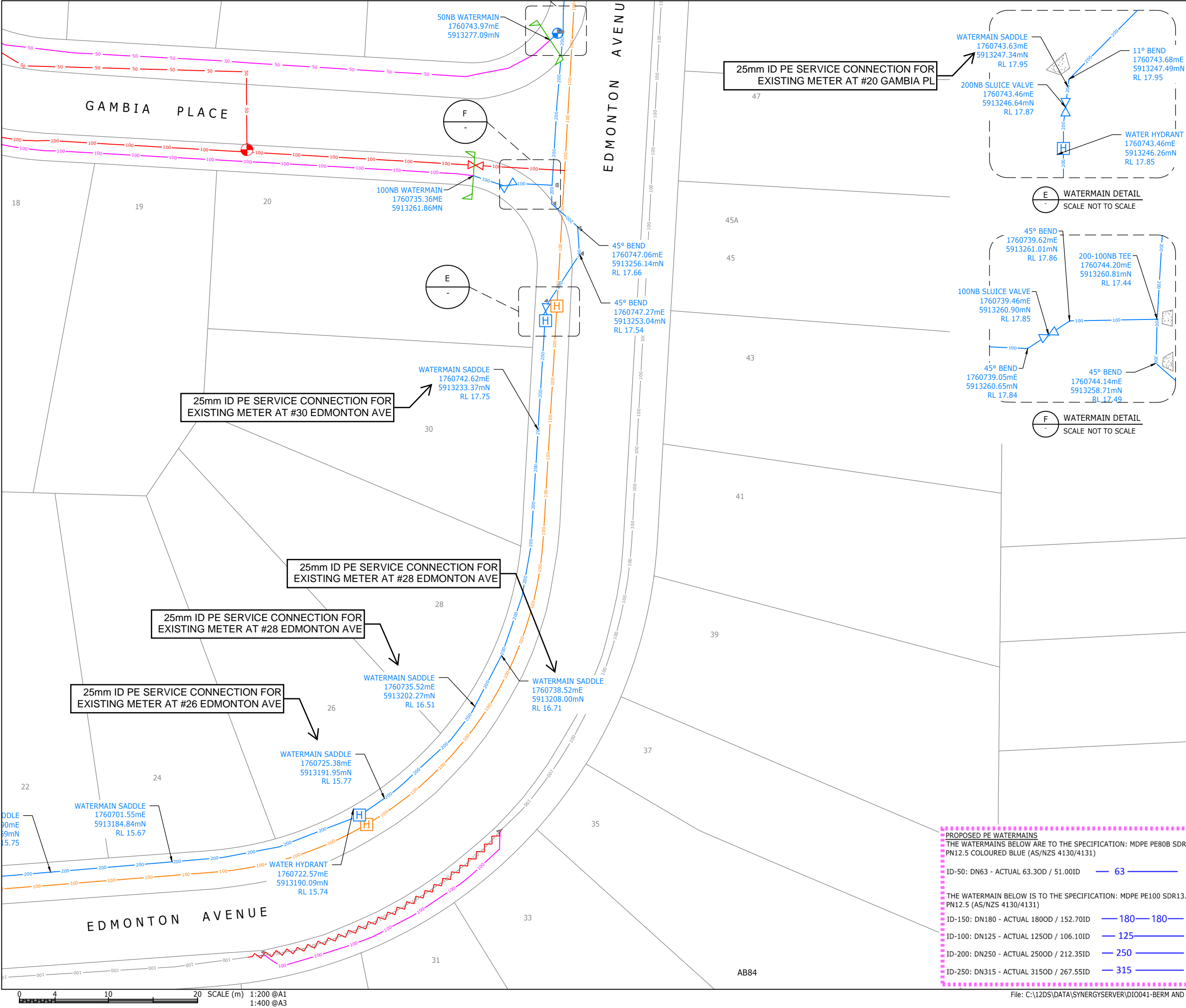
	SURVEYED	LEAD	01.2024
	DESIGNED	-	-
	DRAWN	CEA	01.2024
	CHECKED	CA	09.02.2024
	APPROVED	RBH	09.02.2024
SCALE	1:200 @A1	1:400 @A3	REVISION
STATUS	AS BUILT ISSUE		1
PRECINCT	ŌRANGA		
DWG NO	DIO041-AB122		

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 180.0D / 152.70ID	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

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

File: C:\12DS\DATA\SYNERGYSERVER\DI0041-BERM AND UTILITIES UPGRADE - TOC27\_160\08 SURVEY\CAD\DI0041-AB120-AB125.DWG

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 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: *Ryan Bruce Healey*  
LICENSED CADASTRAL SURVEYOR

NAME: RYAN BRUCE HEALEY DATE: 09.02.2024

**Kāinga Ora**  
Homes and Communities

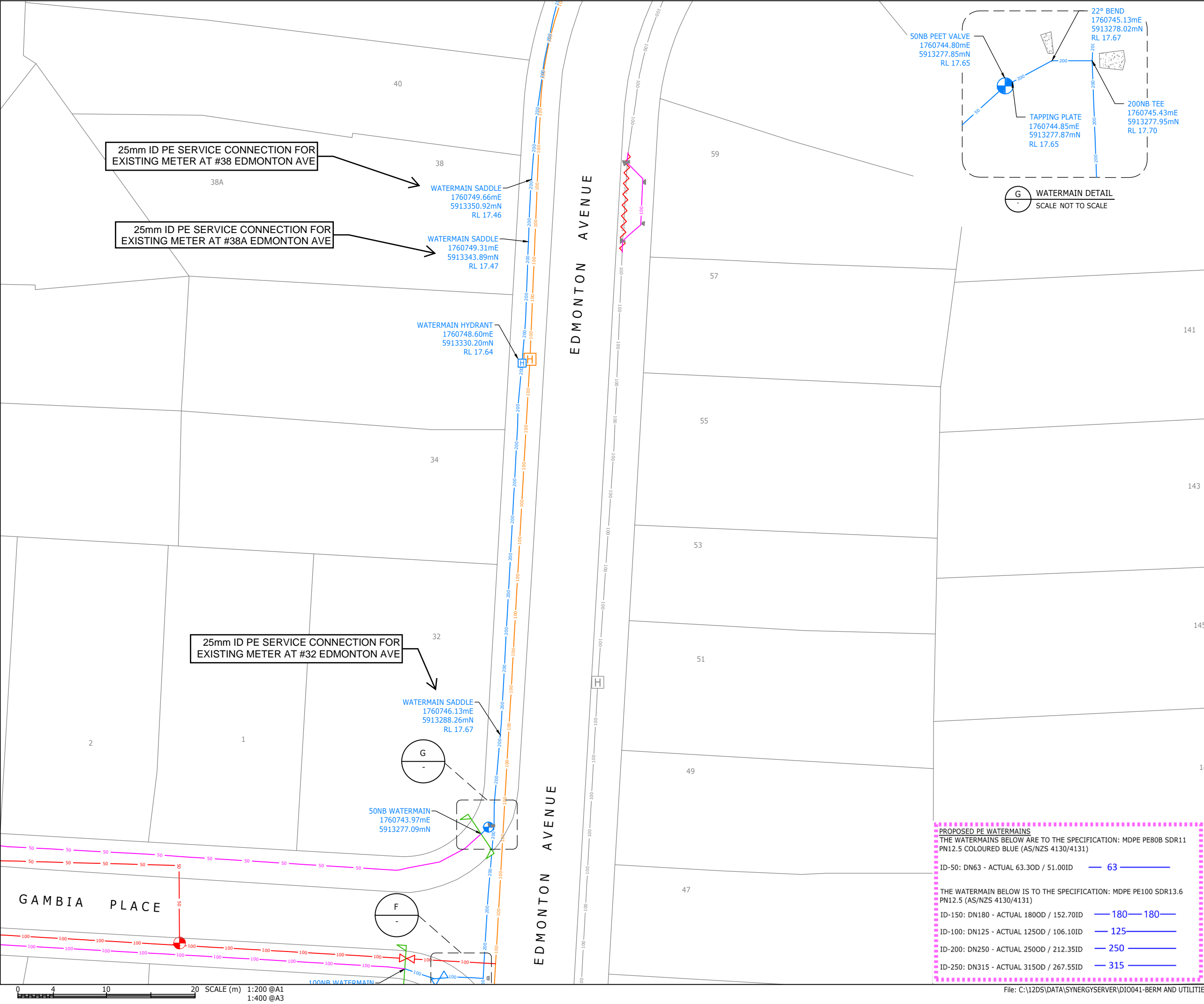
**LEAD ALLIANCE**  
Laying the Groundwork

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		



**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



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  - 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 CATASTRAL 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



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-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)

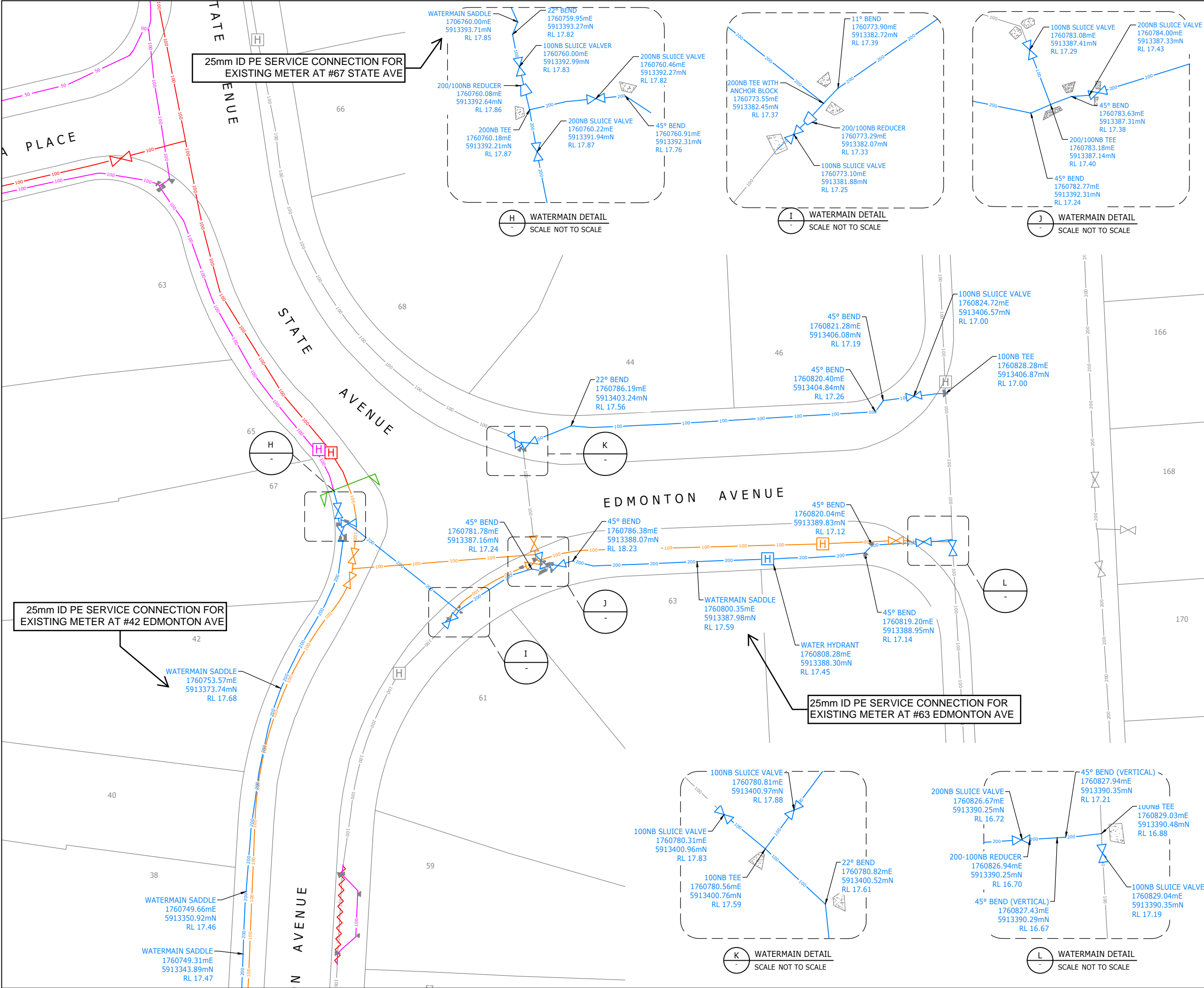
ID-150: DN180 - ACTUAL 180OD / 152.70ID — 180 — 180 —

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

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

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

File: C:\12DS\DATA\SYNERGYSERVER\DI0041-BERM AND UTILITIES UPGRADE - TOC27\_160\08 SURVEY\CAD\DI0041-AB120-AB125.DWG



**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**

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  - 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: *Ryan Bruce Healey*  
LICENSED COASTAL SURVEYOR

NAME: RYAN BRUCE HEALEY DATE: 09.02.2024

**Kāinga Ora**  
Homes and Communities

**LEAD ALLIANCE**  
Laying the Groundwork

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		